

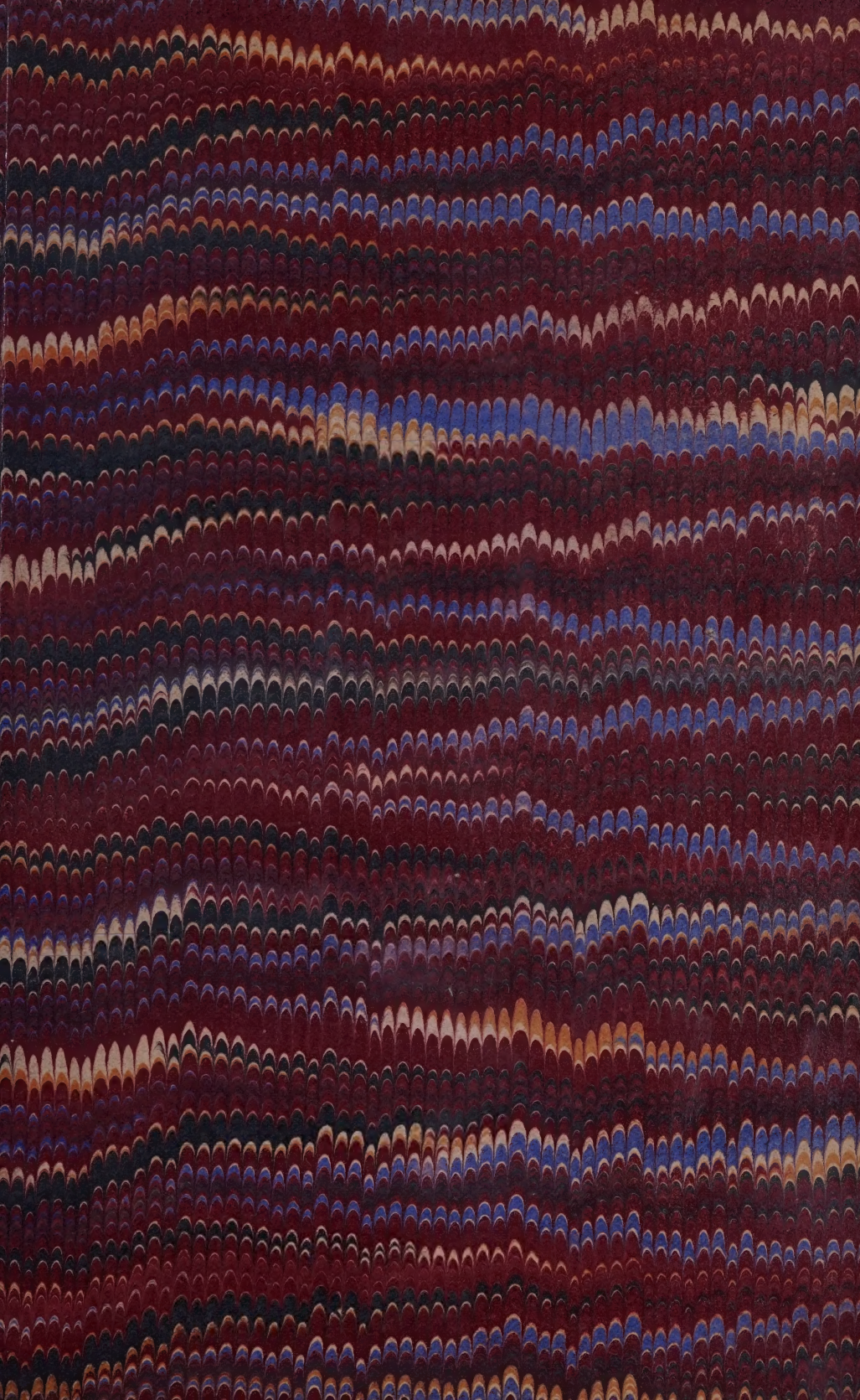


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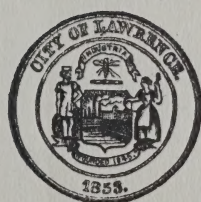


SIXTY-FOURTH
ANNUAL REPORT

OF THE
SCHOOL COMMITTEE

OF THE
CITY OF LAWRENCE

MASSACHUSETTS.



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NOTE—At the regular meeting of the School Committee, held December 29, 1910, it was voted that the report submitted by the Superintendent be adopted as the report of the Committee, and that a suitable number of copies of the same be published for distribution.

SCHOOL COMMITTEE

FOR 1910.

REGULAR MEETINGS LAST THURSDAY IN EACH MONTH.

*HON. WILLIAM P. WHITE, MAYOR, *Chairman ex-officio*
 HON. JOHN BREEN, *Vice Chairman*
 BERNARD M. SHERIDAN, Tel. 100. *Secretary of the Board*

MEMBERS.

Term Exp.
1911

Ward 1.	HUGO BEIL, Tel. 289-11. 151 East Haverhill Street.	1911
	LEWIS H. SCHWARTZ, Tel. 1617. 35 Berkeley Street.	1911
Ward 2.	WILBUR E. ROWELL, Tel. 33, 96 Saunders Street.	1911
	CLINTON O. ANDREWS, Tel. 82, 5 Kendrick Street.	1911
Ward 3.	JOHN BREEN, Tel. 1220. 369 Oak Street.	1910
	JOHN A. KENNEDY, Tel. 214. 293 Elm Street.	1910
Ward 4.	MAURICE J. MAHONEY, Tel. 268, 182 Hampshire Street.	1910
	J. J. McAVOY, M. D., Tel. 959. 57 Cross Street.	1910
Ward 5.	WILLIAM HENDRY, Tel. 795-2 17 Essex Ave.	1912
	ROBERT F. PICKELS, Tel. 1854, 5 Warren Street.	1912
Ward 6.	JAMES W. McMANUS, Tel. 1778, 291 South Broadway.	1912
	WILLIAM E. TIERNEY, Tel. 64, 4 Kingston Street.	1912

*Resigned July 25, 1910. John T. Cahill elected Aug. 29, 1910

STANDING COMMITTEES.

- ADVISORY AND AUDITING—Messrs. Breen, Rowell and Beil.
HIGH AND PRACTICE SCHOOLS—Messrs. Breen, Pickels, McManus, Beil, McAvoy and Rowell.
GRAMMAR SCHOOLS—Messrs. Mahoney, Hendry, Tierney, Kennedy, Andrews and Schwartz.
PRIVATE SCHOOLS—Messrs. Breen, Mahoney and Schwartz.
EVENING SCHOOLS—Messrs. McManus, Hendry, Kennedy, McAvoy, Beil and Rowell.
TEXT BOOKS AND SUPPLIES—Messrs. Hendry, Mahoney, Tierney, Kennedy, Andrews and Schwartz.
JANITORS, SCHOOLHOUSES, SANITATION—Messrs. Pickels, Tierney, Kennedy, Schwartz, McAvoy and Rowell.
RULES—Messrs. Pickels, McManus, Mahoney and Rowell.
SALARIES—Messrs. McManus, Hendry and Andrews.
SPECIAL SUBJECTS—Messrs. Mahoney, Hendry, Tierney, Kennedy, Beil and Andrews.
SCHOOL FOR NON-ENGLISH-SPEAKING PUPILS—Breen, Tierney, Pickels, McAvoy, Rowell and Schwartz.
-

MIDDLE AND PRIMARY SCHOOLS.

- Prospect Street, John R. Rollins, Storrow and Walton Schools
—Messrs. Beil and Schwartz.
Newbury Street, Harrington, Oak Street and Park Street
Schools—Messrs. Rowell and Andrews.
Amesbury Street, Hampshire Street and John K. Tarbox
Schools—Messrs. Breen and Kennedy.
Arlington, Franklin, Cross Street and Washington Schools—
Messrs. Mahoney and Dr. McAvoy.
Lowell Street, Essex, Riverside, Alexander B. Bruce and War-
ren Street Schools—Messrs. Hendry and Pickels.
Saunders, Packard, Union Street, Emily G. Wetherbee and
Saunders Schools—Messrs. Tierney and McManus.

Report of the Superintendent of Schools.

The Lawrence School Committee.

Gentlemen:—

The report for the fiscal year of 1910, herewith submitted, is the sixty-fourth in the series of reports of the Lawrence School Committee, and the seventh prepared by me.

The fire which destroyed the Old High School building early in the present month and completely wrecked the department offices resulted in the loss of much material intended for use in this report. The interruption and confusion consequent upon the disaster have furthermore so far encroached upon the time, and so seriously impaired the facilities, necessary for the production of the kind of a report which it has been my wish always to prepare, that I am obliged for the once to abandon the idea of writing a lengthy report, and to be content, and to ask you also to be content, with the following brief record of the year's work, or rather of the two or three noteworthy features of school administration which the record of the year contains.

In the appendix will be found much statistical information relating both to expenditure and to the growth of the school system, similar to that printed last year. It was my intention to enlarge upon this feature in the present report by way of additional statistical matter, both collective and analytical, in keeping with modern methods of reporting upon school efficiency; but this idea also, stress of circumstances has compelled me to abandon.

IMPROVING THE QUALITY OF THE TEACHING SUPPLY.

Far and away the most important work done by the Committee during the year was the adoption of effective measures for the improvement of the teaching supply.

In my last report I discussed this problem at considerable length. I pointed out the fact that for a decade or more the Committee had adhered almost exclusively to the policy of appointing to positions in the grades none but graduates of our own Practice School; that the inevitable result of such a policy, removing as it does the element of competition, was to stimulate unduly the supply of candidates; and that this increase in the number of girls offering themselves to the normal schools was being accompanied by a gradual lowering of the quality, in proof of which I adduced the strongest kind of testimony. Thus, I showed as proof of the over-stimulation of the supply that the number of girls entering the Lowell Normal School had increased in five years from nine to twenty-three, an increase seven times as great as the increase in the number of girls graduating from the high school.

As to the attending loss of quality it was shown that of twenty-three girls entering Lowell Normal School in the autumn of 1909 six were not certified in any subject, three were certified in only one subject, and four were certified in only two subjects. This meant that thirteen girls were certified in not more than two subjects. There are eight subjects required for admission to the normal school. To be certified in a subject the pupil must have received an average mark of eighty percent in that subject in the high school. Eighty percent, as a mark in school studies, is by general custom estimated to be "good". Upon this basis, less than half of the class which entered the normal school from the high school in 1909 had done a quarter of the required work well enough to be marked "good".

It was shown, besides, that girls preparing for the normal

school had for years been dodging the requirements of the normal school preparatory course, especially designed to give to intending teachers the broad and thorough foundation for the work in the normal school and after. Ten of the thirty-three girls who entered Lowell in 1909 did not take the full preparatory course in the high school. Some of these evasions such as, for instance, taking less mathematics or less Latin than the course required, did not, of course, show themselves in any specific defect later on. Others showed clearly in the character of their attempts to teach. For instance, for a good while, much fault has been found in the Practice school with the girls' inability to draw. The examination of the high school careers of the girls who entered the normal school in 1909 produced evidence that four of them took no drawing whatever during their four years in the high school and that three others took but a single year's work in that subject—a subject which, unlike Latin and the higher mathematics, every grade teacher must be prepared to teach.

The sub-committee to which early in the year this whole subject was referred, promptly reported for adoption a set of rules embodying in the most effective manner possible the needed reforms. These were adopted by the Board on April 28th, and were put immediately into force. These rules in full are as follows:

"1. Beginning September, 1910, there shall be established in the Lawrence High School a separate and distinct course of study for all persons intending to enter a State normal school for the purpose of becoming teachers in the Lawrence public schools.

2. This course for the school year of 1910-11 shall be as follows:—

First Year:—

English, Latin, Algebra; Ancient History (elective), English History (elective).

Second Year:—

English, Latin, Geometry, Physical Geography; General History (elective).

Third Year:—

English and English Grammar, French, Review Mathematics, Physics, Botany.

Fourth Year:—

English, French, United States History and Civics, Chemistry, Physiology and Hygiene; Music technique (one period a week).

General:

Drawing:—one period a week each year.

Music:—(singing) one period a week, each year.

3. In April of any year the superintendent of schools and the master of the high school may present to the school committee recommendations for the modification of the course as adopted for 1910-11 (Section 2), if in their judgment revision of the course in any particular be necessary or desirable for the following school year. But the course shall not be changed at any time without the approval of the School Committee.

4. All the studies in the normal school course, except those marked elective (see Course in Section 2) shall be required studies. In order to complete any subject satisfactorily a pupil must obtain an average of at least 75% in that subject. Furthermore, no pupil shall be permitted to remain a member of a normal school division in any subject who for two successive months shall have failed to reach or to maintain an average of 75% in that subject.

5. All pupils graduating from the High school after a satisfactory completion of the full normal school course as laid down in Section 2, or as from time to time revised in accordance with Section 3, (or in the case of pupils already part way through

their course at the time of the adoption of this rule, all who have completed so much of it as it is possible for them to complete in the remainder of their course in the school) shall have their names so certified to the school committee in writing by the master of the school, with a complete record of their standing throughout their course.

6. Graduates from the high school who may have entered from other high schools on advanced standing shall not be certified as above, unless they shall have satisfactorily completed at least the last two years of the normal school preparatory course before entrance into a state normal school.

7. All graduates of the high school, residents of Lawrence, whose names have been certified as having completed satisfactorily the normal school course before their entrance to a State normal school, may, upon graduation from a State normal school, be admitted without examination to the five months' supplementary course in the Lawrence Practice school.

8. Beginning June, 1913, all candidates for the practice course whose names have not been certified to the committee as having completed the preparatory requirements in the high school as laid down in these rules, and all other candidates, not graduates of the Lawrence high school, shall be admitted to the five months' period of practice only upon the presentation of a certificate of qualification received after examination from the Board of Examiners, the powers of which Board shall in the conduct of these examinations be the same in all respects as those conferred under Section 3 of Chapter 6 of the Rules and Regulations.

9. Examinations for admission to the Practice school shall be held in the month of June. Only residents of Lawrence, graduates of a State normal school, shall be admitted to the examinations. After two unsuccessful examinations a candidate shall be declared ineligible for further trial.

10. Candidates for the five months' course in practice shall

be admitted to the Practice school twice each year, in September and February in such numbers as the committee may determine. The membership of these two groups shall be determined upon a merit basis by the principal of the normal school and the principal of the Practice school.

11. The names of all persons successfully completing the five months' supplementary course shall be certified to the school committee by the principal and such persons shall then be eligible to be placed upon the list of unassigned teachers.

12. These rules shall not be changed or suspended except by a two-third's vote of the full Board."

In the printed course of study distributed to the High school pupils in May of the present year the following paragraph was inserted in preface to the Normal school preparatory course:

"The following course of study has been prescribed by the School Board of the City of Lawrence for all pupils of the Lawrence High School intending to enter a State Normal School and, after graduation therefrom, to seek admission to the Lawrence Practice School with a view to becoming, subsequently, teachers in Lawrence. All graduates of the Lawrence High School who have satisfactorily completed this course of study and who have completed, subsequently, satisfactorily the prescribed work at a State Normal School, may, after graduation from a State Normal School, be admitted to the Lawrence Practice School, and after having satisfactorily completed the work of the Lawrence Practice School, may be placed upon the list of unassigned teachers in the City of Lawrence. All others than such as strictly complied with the above requirements and conditions will, before being admitted to the Lawrence Practice School, be required to pass an examination before the Examining Board. Further particulars in regard to this matter can be obtained from the Principal of the High School, or from the Superintendent of Schools. Consequently, all pupils of the Lawrence High School desiring to prepare themselves for positions as teachers in Lawrence are advised and admonished to take the following course of preparation for admission to a State Normal School."

In the organization of classes in September, care was taken to group normal school preparatory girls into classes by themselves, so far as that was possible. Thus, there are some twelve

classes composed solely of Normal school girls. Where such grouping has not been possible or practicable, these girls have in every instance been placed in college classes. In this way every girl who elects the Normal school course is ensured from the beginning the best teaching and the closest supervision which the school can give. Whenever it appears from the character of such a pupil's work that she does not possess the capacity and fidelity necessary for success as a teacher she is advised and required to abandon the idea of becoming a teacher and is urged to make the most of her high school years in getting as broad an education as the general course offers. Already several such girls have been made to see the un wisdom of this choice. Of course, the school cannot prevent a person, who in its judgment is unfit, from seeking admission to the normal school. At the same time it is not unlikely that the withholding of the high school's approval from any candidate, under the rules of the Committee, will have considerable weight with the normal school authorities in determining the qualification of such a candidate for admission there. This, with the additional requirement of a further examination, should such a person survive the normal school course, before admission can be secured to the Practice school, is likely to prove a sufficient deterrent to those who might otherwise be disposed to shirk the requirements which the School Committee has set up as a standard for its future teachers.

The adoption of these rules will in time, I believe, prove to be the most important step which the School Committee has taken in many years. If the Board will stand steadfastly behind the school in the strict and impartial application of the requirements, the next five years will witness an improvement in the quality of the teaching supply that will prove of incalculable benefit to the schools of Lawrence.

PRIMARY SUPERVISION.

In my judgment the measure next in importance to the one just reviewed, and in many ways relating to it and supplementary to it, was the assignment, beginning in September, of Miss Lamprey to the supervision of primary grades, in connection with her work as director of practice in the Hood School.

The value and even the necessity of the special supervision of the primary grades have been so abundantly demonstrated in the experiences of the most progressive school systems that the introduction of it into our system calls for no justification. In a system of schools grown so large as ours it is impossible for the superintendent, in addition to the numerous other official duties which make such inroads on his time, to give that constant and close supervision of classroom work which is necessary to be given if the highest efficiency would be secured. As a matter of fact, few superintendents, even if they had the time, are fitted either by training or experience to deal effectively with the intimate problems of primary work. Every superintendent needs to have very clear ideas as to the purpose of primary training in relation to the whole scheme of education and a substantial knowledge of the principles underlying the methods suitable to these grades. For the rest—for the intimate phases of primary work—what may be called the minutiae of method—there is needed a person who is by training and experience a recognized expert in that particular line of work and whose whole time can be given to the supervision of it.

This is not only in accordance with the best educational practice, but is sound business sense as well. In every large industrial enterprise, each shop has its superintendent whose business it is to watch over the process of manufacture therein conducted in such a way as to ensure the production of an article of the required quality with the highest degree of efficiency and economy. Where there are a number of such shops—where there is a system of factories—there are men whose business it is

to go from one to another of these branches to study the conditions under which each performs its part of the manufacturing process, to inspect the different plants in respect of their mechanical efficiency, to note the skill and economy of their management, to test the quality of the output, to see that the output of each factory is kept up to the standard necessary to sustain the reputation of the corporation in the market and so conserve the financial interests of the stockholders.

In a large educational system each school has its principal, occupying a place corresponding to that of the mill superintendent in the analogy I have been drawing. That a special supervisor should be placed over the principal is no more a reflection upon her ability than it is a reflection upon the capacity and skill of a mill superintendent in a large manufacturing system to have his mill subjected to the kind of inspection I have been describing. Presumably mill superintendents are very capable men. It is hardly conceivable that they are selected for any other reason than their proven efficiency. Corporations cannot afford to tolerate inferiority; it is too disastrous to dividends. With no greater justice can it be said that the appointment of a primary supervisor carries with it an imputation that principals themselves are not capable persons. It would be certainly a very narrow view that would so construe it.

Nowhere in the school system is there so much need of vigilance as in the primary grades. Here is laid the foundation for all the work above. Here the fundamentals of reading, language and number—the basis of all future school work—are to be mastered. Here right habits are to be formed and correct processes of thought established. Here are the largest classes. Here the large number of foreign born children adds greatly to the difficulty of the work. Here naturally is the greatest amount of retardation. Here, too, are employed the largest number of inexperienced teachers. In the first three grades—which by the common classification constitute the primary grades—are nearly half the whole number of children in the schools. Nearly a

half of all the elementary teachers, too, are working in these three grades. These are, besides, distributed among more than twenty schools, whereas the bulk of the children in the grades above the primary are taught in seven schools. Among so many schools, all engaged in teaching the same things, there is sure to be a considerable variation in the quality of the work done. In all schools some teachers are better than others; some schools as a whole are better than others. This is a condition for which the principal cannot be held responsible, except in part. Principals of primary schools have small voice, and frequently none at all, in the selection of their teachers. Nor can it be expected that twenty principals shall possess equally high standards of work. It is, therefore, highly important that someone who is especially qualified for the task should have for her business the standardization of these schools, without which no school system can achieve any high degree of excellence.

The schools were fortunate in having available for this work so able and so experienced a woman as Miss Lamprey. Eight out of every ten of the teachers she is supervising were trained by her hands in their Practice school days—more than one hundred teachers in all. She knows them and they know her. When she speaks she speaks with authority, born of recognized pre-eminence in the field of primary teaching. She has entered into the work with her proverbial industry, tact and skill. What she has accomplished in the first four months of her work is sufficient proof of the need of such supervision and of the value of such expert supervision as a permanent feature of our school system.

THE DISCONTINUANCE OF UNDERGRADUATE PRACTICE IN THE GILBERT E. HOOD SCHOOL.

Following my recommendation in these pages of a year ago, the Committee voted at the June meeting to discontinue the plan whereby students at the Lowell Normal school during their

senior year spent a three-months' period of practice teaching in the Gilbert E. Hood school.

As was pointed out in my discussion of this matter, the large increase in the number of Lawrence girls made such demand upon the practice facilities of this school as to have become a serious burden upon the school. I showed that in 1905, when the Hood school was opened, there were nineteen girls in the preliminary and final periods of practice. In 1909 that number had risen to forty-seven, with a promise of sixty such girls for the present year. This would have required the presence of student-teachers in practically every room in the school, where originally it was planned to use but six rooms for practice purposes. To continue such a plan would have meant both decreasing materially the amount of practice teaching each girl needs to have—which would defeat the very aim of the work—and at the same time would constitute a decided handicap to the first purpose for which the school exists—to teach as well as possible the children who go there.

The Normal school was in full accord with my recommendation, because it was felt on their part that notwithstanding the excellent training the Lawrence girls had always received in our school, that even better results could be gained from having all Normal school girls receive the whole of their under-graduate practice in practice schools close to the Normal school in Lowell, where the work could be carried on under the immediate supervision of the State, without the long break in their relations with the Normal school which was occasioned by their three-months' residence in Lawrence during their senior year. The State Board of Education approved of the action of the local School Committee, and the new program went into effect in September of this year. Hereafter, only graduates of the State Normal school will be received at Lawrence Practice school for the supplementary five-months of training required by our rules. The school is now distinctly a Lawrence school, giving to Lawrence girls only an extra half year of training.

The time is not far distant, in my opinion, when the whole training of teachers will be, as it ought to be, carried on in the State Normal schools. It is not unlikely that the next five years will see such an extension of the normal school course throughout the Commonwealth and such increased facilities for observation and practice during this longer course, as probably to make unnecessary the subsequent training which under present conditions is a most important pre-requisite to successful teaching, and which so far has proven so valuable to the Lawrence girls who have been coming into our schools as teachers. The step just taken is directly in line with the tendency I have just indicated and I am sure the wisdom of it will become more and more apparent as the years go by.

SCHOOL ACCOMMODATIONS.

The destruction of the Old High School building by fire in the early morning of the seventh of December has brought to a head the whole question of school accommodations for the rapidly growing school population in the central part of the city. In two previous reports I have discussed this matter at length, and it is unnecessary to repeat it now. It is a very familiar story to the School Committee. In seven years there has been an increase of seven hundred pupils in the public schools of this district, in spite of the fact that within that space of time two new parochial schools have been opened in this territory, providing annually for the primary schooling of nearly four hundred children. As a result of this increase in school population, we have throughout the district primary classes of fifty, sixty, seventy and even eighty children, crowded so closely into rooms that teaching becomes almost a travesty. The loss of the Old High school building makes a bad matter worse. Here were gathered to the number of two hundred non-English speaking boys and girls ranging from twelve to sixteen years of age, and, in addition, two overflow classes from the Oliver. These latter

have been crowded back into the Oliver. The boys, to the number of about one hundred, are at present being taught in the two upper rooms of the annex which the fire did not harm, and to which they climb daily by means of the iron fire escapes. At this writing, about the same number of girls have now temporary quarters in Paul Chabis hall, which for school purposes is a shade better than no place at all. Two portable buildings, to be erected in the yard of the Oak street school, will later provide fairly comfortable quarters for the girls, though it will be necessary, as in the case of the boys, to give instruction in large classes,—a condition peculiarly unfavorable to the special kind of teaching which these children demand.

I, therefore, reiterate my recommendation that immediate steps be taken toward the erection on the site of the Oliver, Old High school and the Oak Street schools, a central elementary school building ample enough to accommodate not only the thousand or more children who now attend these schools, but to relieve the crowded conditions of the other primary schools in the district, whose lot is bound to be more and more unbearable as the population becomes, as it is daily becoming, more congested.

At the present writing, excellent headway is being made with the new Ward Six schoolhouse under the special commission appointed by the City Council. Barring unlooked-for delays or interruptions, this building should be ready for occupancy in September of 1911, when for the first time in a dozen years the people of South Lawrence will have ample school accommodations for their children.

Some measures will need to be taken soon to relieve permanently the over-crowded rooms in the Storrow. The best solution of the difficulty, as I pointed out several years ago, would be the extending of the wings of the John R. Rollins building by the addition of four class rooms. This could be done without any detriment to the building architecturally and would provide sufficient room for the Prospect Hill children for some years to come. I have small hope, however, that this will be

done at present. I therefore recommend that the City Council be petitioned to purchase a portable schoolhouse to be erected in the yard of the Storrow school before next September to relieve the very crowded condition of its primary grades.

Until more school-room will have been provided for the primary school children in the central portion of the city, it will probably be the part of wisdom to try the experiment, at least, of placing some of these classes on part time next year. By this I mean the plan, which cities in certain straits are forced to adopt, whereby part of the children in a school district attend school in the forenoon and the others in the afternoon. This is an arrangement which I would be very reluctant to recommend, unless under the most compelling circumstances, for children above the first year of school. But for first grade children, and particularly non-English speaking children, the one session idea has much to commend it. The crowding of fifty, sixty, seventy and even eighty children into a first grade room, as is now the case in three of the central primary schools is to begin with, a distinct menace to health. Obviously it is impossible for the best teaching to be carried on under such conditions, and it is not infrequently the cause of nervous breakdowns on the part of the over-strained teachers. Besides, each child in so large a class has only a very small part of the five hours each day which can be devoted to oral instruction, which foreign-born children stand so greatly in need of. Instead, they are obliged to pass a large proportion of the time in so-called "busy work", which more often than not is a mere device to keep children still. Again, the rooms are so filled with furniture that there is absolutely no space for the school-room games which are so much needed to relax the cramped muscles of these little children, compelled to set still for such long periods of time. It is probably true that first grade children in these heavily crowded schools would be found more advanced at the end of a year under the system of half-day sessions than under the present whole-day session. Instead of sixty or seventy such pupils in a single class, not more

than thirty or thirty-five would be in attendance at one time. Usually, wherever this plan of half-day sessions has been adopted, the teaching force has been materially reduced, and a considerable saving effected. Should the plan be tried here in, say, the Amesbury Street, Oak Street and Harrington schools (which are the schools where the overcrowding is most distressing I would not recommend a reduction of the number of teachers. These rooms have now two teachers each. I would favor continuing the use of two teachers for the smaller classes that would result from the application of the half-day session plan. This concentration of teaching on the much smaller group of children would be sure to accomplish in a school year as much, and would probably accomplish more, than is now accomplished under the whole day plan in crowded rooms, where much of the teacher's effort and much of the pupils' time goes inevitably to waste.

The ideal arrangement, of course, for first grade children is half a day in the school-room and half a day out of doors or in the gymnasium engaged in organized play and games in charge of a teacher. This is already the program in some progressive school systems, and will be the program in all good school systems a few years from now. The plan which I am suggesting, while offering to those two or three over-crowded schools relief which I do not discern coming from any quarter until a new central elementary school will have been erected, will at the same time give us an opportunity to test out on a small scale a plan which both as an educational policy and a measure of economy seems to be enlisting much support.

Three or four years ago a rule was passed by the School Committee requiring children to be five and one-half years old before entering school. At the time it was understood that considerable leeway should be left in the application of the rule, as a result of which every year since many children have been admitted to the first grade under the required age. In many instances members of the Committee themselves have sought the favor in behalf of parents who had appealed to them.

I believe it is time that this rule should be strictly and universally applied. And I recommend that such action be taken by the Committee before the beginning of another school year. At the same time, the Committee should authorize principals to require from all parents of entering pupils a birth record or other documentary evidence of the child's age. There are too many children in all of our first grades who are too immature for school work, and whose presence is a drag upon those who are fit to be there. Most of these, if the truth were known, are under the required age for admission. A rule compelling parents to furnish reliable evidence of the age of children who look very young would have the effect of saving many of our first grades from being burdened with children too young to benefit from the instruction that it offered them.

I advise that at the same time there be put an end to the practice of transferring pupils from their proper school districts to certain more favored schools. There has been too much of this, and there is not likely to be less in the future, if the Board does not set its disapproval upon it. Occasionally there are reasons why permission should be granted for attendance at another school than the one in the pupil's own district. But the reason should not be because one school is a little newer or in a better neighborhood than the one nearer home. This is not in keeping with the spirit of the public schools, and as such should receive official discouragement.

THE NEW SALARY SCHEDULE FOR GRADE TEACHERS.

The following salary schedule for grade teachers was adopted by the Committee at its September meeting, to become effective October first.

Teachers' Schedule.

First Year.....	\$450
Second Year.....	500
Third Year.....	500
Fourth Year.....	550
Fifth Year.....	600
Sixth Year.....	650
Seventh Year.....	700
Eighth Year.....	750

Principals' Schedule.

Four and Five Rooms.....	\$800
Six and Seven Rooms.....	825
Eight and Nine Rooms.....	850
Ten and Eleven Rooms.....	875
Twelve and over.....	900

It will be seen from the following table which shows the maximum salaries of grade teachers in other Massachusetts cities that the School Committee of Lawrence is not only not ungenerous toward the teachers as measured by the scale of salaries paid elsewhere, but, considering that Lawrence is a much less wealthy city than many of her sister cities, is extremely liberal in its treatment of them. The maximum salary given in the column below represents in each instance the highest salary attainable by the teacher, irrespective of grade. In some of the cities, a higher salary than the one quoted is paid teachers in the higher grammar grades. This salary, however, is paid only to a relatively small number of teachers and does not fairly represent the maximum salary. The Lawrence maximum is \$750 for all teachers.

Maximum Salary Attainable by Majority of Teachers.

Brockton	\$700
Cambridge	700
Evertt	650
Fall River	660
Fitchburg	680
Gloucester	625
Haverhill	650
Holyoke	650
Lowell	700
Lynn	700
Malden	675
Marlboro	575
Melrose	650
New Bedford	700
Newburyport	600
*Newton	900
Northampton	550
Pittsfield	690
Quincy	600
Salem	650
Somerville	700
Taunton	600
Waltham	600
Woburn	600
Worcester	800

*\$750 minimum: higher salary by merit on recommendation of superintendent.

It will be seen from a study of the above table that Lawrence pays a maximum higher than any city in the list except Worcester and Newton. In Newton no teacher receives a higher salary than \$750 except for meritorious work upon the

recommendation of the superintendent. So that virtually, next to Boston and Worcester, cities entirely out of our class, Lawrence pays the highest maximum salary in Massachusetts.

DEATH OF MR BREEN.

The closing days of the year have been saddened by the death of John Breen, for twenty-five years a member of the School Committee, and for sixteen years its vice-Chairman.

By Mr. Breen's death the school children of Lawrence lost a faithful friend. For a quarter of a century, during nearly half of the city's life, he planned for them and pleaded for them. The cause of the child was carried on his heart.

His mind was as keen as his heart was kind. He had a profound belief in education and in the special mission of the public school. He was a tower of strength in the councils of the Board. He had in generous measure the respect, the esteem, and the love of his fellow members—the gracious overflow from his own fine, lovable nature. He was progressive in the best sense. While holding fast to all that was best in the old, he welcomed all that was most worthy in the new. He saw things above the personal plane, and in reaching his judgments always kept the supreme good of the child in the centre of his vision.

To those who served under him, from the superintendent down to the young teacher in the ranks, he was the soul of courtesy and kindness. His praise was deeper than the lips. He was as sparing of criticism as he was generous of commendation. If he did criticise, his criticism never descended to the level of fault finding. If he sometimes found us inadequate, he never believed us insincere.

His work of twenty-five years in behalf of the schools would be monument enough for an ordinary man. But Mr. Breen's interests were broad and his influence was as wide as the city's bounds. Yet I cannot help feeling that the city which he honored and which honored him, will, after all, remember

him best because of what he did for its children. His life was one of those of which we may say in all its deep significance: "A little child shall lead them."

A few days before his fatal illness he had prepared a brief history—an "epitome" as he called it—of the growth and development of the school system during the long period he had borne so important a part in its administration. It was his intention to read this at the last meeting of the year as a kind of valedictory address.

It is not inappropriate, it seems to me, that this farewell address, which death stilled upon his lips, should have record here as perhaps the most fitting memorial of his work that could be preserved in these pages.

GROWTH OF THE SCHOOL SYSTEM SINCE 1882.

"Looking back over a service of twenty-five years, Mr. President and gentlemen, one is deeply impressed with the many changes and the great improvements which have been wrought in the school system.

The most noticeable evidence of growth in the school system since 1882, the outward manifestation which all people may read, is the extensive growth of the school plant, as shown in the addition of many notably fine buildings.

The two and four room buildings constructed at the beginning of this period were considered ample for the present and future educational needs of our city, and they seemingly fulfilled all the requirements of those days. So that when some members proposed that we erect an eight-room building in Ward Five (the present Essex school), the proposition was voted upon favorably, not, however, until the gentleman who was then mayor, cut the number of rooms down to six and said that there was not a man then sitting on this committee who would live to see them all filled with pupils. What has been the result, gentlemen? Two years later, a modern ten-room

building was erected in Ward One—a building that seemed so large that the sarcastic comment of some of the taxpayers was that we probably expected to fill it with pupils from Haverhill. It has been filled for years, and the Ward One district needs more schoolhouses. In 1895 was opened a new ten-room building across the Spicket in Ward Three, and no sooner opened than filled with pupils. It was called the John K. Tarbox school. Then the crying needs of the western section of Ward Six appealed to the committee and the Emily G. Wetherbee school, a magnificent building, containing ten class rooms was erected in 1897. At this time the committee felt they had accomplished a great deal, and they would have a rest for some time at least. But no!—the rapidly growing population of Ward Five called for attention, with the result that another imposing sixteen-room building was erected in 1902 upon Ames street, called the Alexander B. Bruce school. Six additional rooms have since been fitted out in this building—making twenty-two rooms in all.

During all of this time we realized that while we had an imposing High school building on the outside, it was badly proportioned and inappropriately laid out on the inside, entirely inadequate to the needs for which it was intended and that steps should be taken for the erection of a new high school building. After a considerable delay in procuring a convenient and central site, it was erected upon the corner of Haverhill and Lawrence streets, a thirty room building, containing a beautiful hall, library and all other necessary rooms and appliances that stamp the building one of the best appointed and complete high school buildings in the State of Massachusetts. This was opened in 1901. Every classroom is now occupied every day. Soon, gentlemen, you will be called upon to decide whether you will add to your present high school building, or build a separate one for the teaching of mechanic arts.

For some years, it was felt that while our training school was giving us splendid results, the facilities of the Oak street

building where it was originally located, were entirely inadequate for the work demanded of it, and at about this time, the State of Massachusetts came to our rescue with a proposition that seemed good to us, and the consequence was the erection in 1905 of a commodious building of sixteen classrooms on the corner of Park and Bruce streets, which we called the Gilbert E. Hood school. This school contains 636 pupils and is the second largest grammar school in the city.

At this time we felt that we had an educational line of up-to-date school buildings with a grammar master installed in each building, amply surrounded by a corps of painstaking, earnest teachers, who were doing as good and faithful work as any teachers in this commonwealth.

But the quickly growing population in the vicinity of the Wood mill in South Lawrence next claimed our attention and after the customary delay, a suitable lot of land was secured on the corner of Andover and Osgood street and the school is now in the course of construction.

So it will continue, as long as the cradle continues to rock, there will be demand for more school room.

All of this work and much more has been accomplished by the School Board during the last twenty years. This work has not been accomplished without much delay, and many trying moments to our committee, for be it understood that in the matter of schoolhouses the School Committee has no voice in who shall build or when it shall be built. This part of the work rests with the City Council; and it is no easy matter, at times, to convince the City Council of the necessity of the new school buildings; and not until we have to rent extra rooms in church basements, etc., in order to keep the children from walking the streets, does it dawn upon them that something ought to be done. Presently the contract is let and we have a new school building.

In addition to all these new buildings, the fact must not be overlooked that there has been going on all these years equal actively upon the part of those in charge of the parochial schools.

In these eight or nine buildings, many of which are in no way inferior to our own modern buildings, are taught 4000 children, or one in every three children of the school population. All this expense of providing these fine buildings, together with the entire cost of maintaining them, is cheerfully borne by these people, because of their belief in the necessity of religious education for their children going hand in hand with secular education.

A few comparisons between the school system as it was at the end of the year 1881, when by virtue of my election as mayor I became a member of the school committee, will tell more eloquently than I can the marvellous growth of the public school system from that day to the present time.

In the year 1881, the school committee expended \$71,901.38. In 1910, the committee expended \$289,413.41. The average number of pupils for the school year ending in June, 1881, was 4621. The average number for the year ending in June, 1910, was 8409. In 1881 the cost of the schooling of each child (found by dividing the expenditure by the average number in the day schools) was \$15.33. In 1910 the per capita cost, upon the same basis was \$34.52.

In 1881 the high school had an average membership of 186. In 1910 it had an average membership of 651, $3\frac{1}{2}$ times as many as in 1881. In June of 1881 the graduating class numbered twenty-nine. In 1910 the graduating class numbered 103, an increase of 255% over 1881. Of the twenty-nine graduating in 1881, two were graduated from the college course, and four entered the training school. Of the class of 1910, 43 had completed the college course, and 17 graduated from the normal school course.

When I first became connected with the schools of Lawrence, the evening schools were in their infancy. Superintendent John L. Brewster reported in 1882 that the evening high school contained "eighteen gentlemen and ladies". The present evening high school has a membership this month of 496 pupils, with a preparatory department of 281 more. The evening high school

was then kept open forty-eight evenings in the season. Now it is open seventy-two evenings. The evening high school at that time met in Room 5 in the old High school building, Miss Wetherbee's room by day, and since the abandonment of the old building the school committee room, so handsomely fitted up by Mr. Sheridan a few years ago for the comfort and convenience of the committee, but now a scene of desolation and ruin. Now the evening high school fills (with the preparatory classes) every room of the great new high school building.

The elementary evening schools in 1881 occupied eight rooms in the Oliver and one in the Packard. The number attending is not stated.

The committee spent \$1700 for evening schools in 1881. In 1909 \$13,000 was spent.

In 1882 the minimum salary of teachers was \$300. The highest salary paid any grade teacher was \$550 and that salary was paid only to a few. In 1883, the first report in which the salaries were printed, 35 of the 97 grade teachers received \$400 a year, and 21 others received \$450. 58% of the grade teachers received not more than \$450.

Today, as you know, the maximum salary is \$750. Of the grade teachers 87 are receiving \$750, and 61 are receiving \$650; so that 55% of all grade teachers are receiving salaries as high or higher than \$650. That is, more than half of the teachers are now receiving a salary of \$650 or better, whereas then more than half of them were paid not more than \$450. Teachers were not only poorly paid, but they had to teach much larger classes than now. The average number of pupils per teacher in 1882 was 52; in 1910 the average number is 32.

We find the following schedule of salaries for janitors:

The Oliver school \$520 a year, or \$10 a week.

The High school, \$520 a year, or \$10 a week.

The Cross Street school \$163 a year or a little over \$3 a week.

The Packard school, \$520 a year, or \$10 a week.

The Walton school \$222 a year, or a little more than \$4 a week.

The Hampshire Street school, \$152 a year or about \$3 a week.

When I began service as a member of the committee in 1881 there were no free textbooks for Lawrence school children. The law had been enacted, but it was optional with school committees whether to provide books free or not. At that time Lowell and Fall River were the only cities that had taken advantage of the Act. In 1884 the Legislature passed a compulsory textbook act.

In January, 1882, there were eight teachers in the high school, compared with 29 today. The whole corps contained 113 names. Of the teachers then in service, but fourteen still remain in service. Hundreds and hundreds of teachers have come and gone since then, giving for a time their meed of faithful service.

And so I might go on, delving into the past to bring out more strongly, by means of extended comparisons, the vast change which has come about in a quarter of a century's service upon this board. But enough, I believe, has been produced to give some dim idea of the achievements of Lawrence in the work of educating the children. Of all this I was but a small part, sharing equally with the excellent gentlemen who have composed the school committee during all these years the labor, the responsibility, and the privilege of serving the youth of our beloved city. During these years 68 men have been for longer or shorter terms members of this Board with me. To all of these, living or dead, I pay tonight my tribute of respect. They served the city well. Those who are gone should merit the appreciation of the whole community. Those who are still active citizens among us I am sure have no pleasanter recollection than their years of service upon this Board.

Gentlemen, the future of the schools is in your hands and the hands of those who will follow you. There is no greater service than that which provides for and prospers the education of the city's children. Your opportunities will be as much greater than those which we had in the past, as this age is greater than the age that is gone. May your fidelity and the fidelity of all who labor in the schools be as great as your and their opportunity is sure to be."

CONCLUSION.

I can think of no more fitting sentiment with which to bring to an end this hurried and unsatisfactory record than that which our lamented vice-chairman speaks to us, as it were, from his grave. Fortunate will be the children and prosperous the city if the fidelity of those who administer the schools and those who teach in them, now and in the future, shall be equal to the opportunities which are sure to be theirs.

Respectfully submitted,

BERNARD M. SHERIDAN.

December 29, 1910.

APPENDIX I.

- Table No. 1: Receipts and Expenditures for 1910.
Table No. 2: Comparative Expenditure for 1909 and 1910.
Table No. 3: Proportion of Taxable Property Expended for Support of Public Schools 1910.
Table No. 4: Appropriations and Expenditures for Eleven Years.
Table No. 5: Apportionment of Expenditure for 1909 and 1910.
Table No. 6: Annual Cost of Education per Pupil for Term of Ten Years.
Table No. 7: Itemized Expenditure for the Different Schools for 1910.
Table No. 8: Per Capita Cost in the Different Schools.
Table No. 9: Per Capita Cost of Teaching, Text-Books and Supplies.
Table No. 10: Average Per Capita Cost of Text-Books and Supplies in the Different Schools for 1908, 1909 and 1910.
Table No. 11: Apportionment of Per Capita Cost since 1902.
Table No. 12: Per Capita Cost of Text-Books and Supplies since 1902.
Table No. 13: Expenditure for Evening Schools, Season 1909-10.
Table No. 14: Expenditure for Vacation Schools, Summer of 1910.
Table No. 15: Day Teachers' Payroll since 1906.
Table No. 16: Evening Teachers' Payroll since 1905.
Table No. 17: Coal Account for 1909 and 1910.

Table 1.

RECEIPTS AND EXPENDITURES.

1910.

Receipts.

Appropriation	\$176,000.00
Transfers	1,850.00
Receipts	561.48
Overdraft	111,001.93
	<hr/>
	\$289,413.41

Expenditures.

Salaries of Teachers	\$222,604.38
Salaries of Janitors	20,469.36
Salaries of Officers, Clerks, Etc.,	7,704.99
Text Books	7,166.67
Supplies	7,547.89
Light and Power	2,608.08
Fuel	12,890.03
Miscellaneous	8,422.01
	<hr/>
	\$289,413.41

Table 2.

COMPARATIVE EXPENDITURE FOR

1909 and 1910.

	1909	1910	Increase or Decrease.
Salaries of Teachers	\$213,532.40	\$222,604.38	\$9,071.98 Incr.
Salaries of Janitors	19,507.25	20,469.36	962.11 Incr.
Salaries of Officers, Clerks, etc.,	7,662.50	7,704.99	42.49 Incr.
Text-Books	5,177.88	7,166.67	1,988.79 Incr.
Pupils', Teachers' and Janitors' Supplies..	7,571.87	7,547.89	23.98 Decr.
Light and Power....	2,426.65	2,608.08	181.43 Incr.
Fuel	13,958.18	12,890.03	1,068.15 Decr.
Printing	865.35	1,036.30	170.95 Incr.
Rent	1,080.00	1,190.00	110.00 Incr.
Equipping rooms in St. Patrick's School		1,850.00	1,850.00 Incr.
Telephones	484.06	493.19	9.13 Incr.
Miscellaneous	3,237.92	3,852.52	614.60 Incr.

\$275,504.06 \$289,413.41* \$13,909.35 Increase

*There is also charged against this Department on the City Auditor's books the amount of \$500, for a claim paid because of injuries caused by the alleged neglect of a school janitor.

Table 3.

PROPORTION OF TAXABLE PROPERTY EXPENDED
FOR SUPPORT OF PUBLIC SCHOOLS.

	1909	1910	Increase.
Valuation	\$59,434,446.00	\$65,571,382.00	\$6,136,936.00
Cost of Maintenance of Public Schools .	275,504.06	289,413.41	13,909.35
Expenditures for School Buildings: Repairs and Im- provements	23,990.90	32,562.74	8,571.84
Interest and Redemp- tion of School Bonds	35,528.00	34,522.00	1,006.00*
Expended for all School Purposes .	335,022.96	356,498.15	21,475.19
No. of dollars spent for maintenance of schools out of every \$1000 valu- ation	4.64	4.41	.23*
No. of dollars spent for all school pur- poses out of every \$1000 valuation.	5.63	5.44	.19*

*Decrease.

Table 4.

AMOUNTS APPROPRIATED AND EXPENDED FOR
MAINTENANCE OF SCHOOLS FOR A TERM
OF ELEVEN YEARS.

	Appropriated	Receipts	Expended	Overdraft
1900.....	\$170,000.00	\$ 44.50	\$171,253.18	\$ 1,208.68
1901.....	180,000.00	74.70	185,802.54	5,727.84
1902.....	180,000.00	32.00	193,409.19	13,377.19
1903.....	185,000.00	63.50	215,492.57	30,429.07
1904.....	180,000.00	98.75	216,146.28	36,047.53
1905.....	180,000.00	418.66	216,952.07	36,533.41
1906.....	217,000.00	435.73	229,401.61	11,965.88
1907.....	176,000.00	331.35	251,816.22	75,484.87
1908.....	241,000.00	542.05	276,246.56	34,704.51
1909.....	176,000.00,	547.92	275,504.06	98,956.14
1910.....	177,850.00*	561.48	289,413.41	111,001.93

*Including transfer of \$1850.

Table 5.

APPORTIONMENT OF EXPENDITURE.

1909 and 1910.

	1909	1910
Expended for teachers' salaries.....	77.50%	76.90%
Fuel and care	12.14%	11.54%
Books and supplies	4.63%	5.08%
Administration salaries	2.79%	2.66%
Miscellaneous	2.94%	3.82%
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	100.00%	100.00%

Table 6.

AVERAGE ANNUAL COST OF EDUCATION PER
PUPIL FOR TERM OF TEN YEARS.

(including cost of evening and vacation schools).

Year	Cost per Pupil	Year	Cost per Pupil
1910	\$34.52	1905	\$27.29
1909	33.46	1904	28.74
1908	34.23	1903	29.24
1907	30.97	1902	26.43
1906	27.29	1901	26.26

Per Capita Cost for 1910, excluding Evening and Vacation
School Expense, \$32.82.

Table 7: ITEMIZED EXPENDITURE FOR THE DIFFERENT SCHOOLS.
(YEAR ENDING DECEMBER 31, 1910).

Name of Schools.	Furniture and Fixtures	Text-Books.	Teachers' Salaries.	Janitors' Salaries.	Teachers' and Pupils' Supplies.	Janitors' Supplies.	Heating.	Lighting.	Power.	Laundry.	Manual Training.	Totals.
Amesbury St.	\$ 6.00	\$ 49.39	\$ 4,777.50	\$ 315.69	\$ 57.76	\$ 35.53	\$ 370.00	\$ 14.64	—	\$12.52	—	\$ 5,639.93
Arlington	14.00	203.79	6,651.00	540.05	107.99	29.54	393.76	10.08	—	10.96	—	7,961.17
Bruce	60.73	431.98	11,877.50	1,378.89	308.19	118.31	619.82	76.58	251.19	26.32	60.66	15,110.17
Cross St.	5.43	124.44	3,289.00	331.22	88.46	31.16	351.17	29.74	—	8.96	17.32	4,276.90
Essex	—	132.77	6,132.75	549.07	159.71	37.71	457.54	65.00	—	10.64	—	7,545.19
Franklin	1.00	64.54	3,934.25	435.78	42.46	19.00	299.08	—	—	8.96	—	4,805.07
Hampshire St.	—	51.90	3,304.75	303.97	61.25	14.45	286.51	1.12	—	8.96	—	4,032.91
Harrington	—	91.80	4,833.50	373.65	66.53	18.78	331.31	10.58	—	8.60	—	5,784.75
Hood	56.21	406.42	12,148.50	1,369.13	240.70	105.26	470.45	100.69	502.20	26.00	33.09	15,458.65
Lowell St.	1.00	71.80	2,813.00	429.35	64.95	17.72	177.31	1.36	—	8.96	—	3,585.45
Newbury St.	—	100.04	3,255.25	373.60	92.41	29.20	191.92	7.36	—	9.68	—	4,059.46
Oak St.	—	128.99	5,905.25	516.56	89.95	38.14	339.36	20.45	—	10.94	—	7,039.64
Oliver	14.60	450.91	13,005.00	1,111.00	197.81	108.91	1,937.94	187.02	—	21.44	75.44	17,110.07
Packard	4.30	626.54	13,337.63	977.25	413.07	67.99	453.45	43.10	—	28.28	35.92	15,987.53
Park St.	19.70	137.83	6,042.75	536.28	64.59	23.60	463.15	1.28	—	10.32	—	7,299.30
Prospect St.	.50	71.45	3,819.25	319.12	58.40	40.34	372.52	.80	—	7.92	—	4,690.30
Riverside	—	96.70	2,724.75	318.52	63.52	14.93	363.58	1.04	—	8.24	—	3,591.28
Rollins	75.64	191.82	10,216.75	970.88	261.56	51.72	635.42	20.83	50.80	14.32	6.84	12,496.58
Saunders	3.00	32.05	6,977.00	814.50	102.72	8.93	497.93	3.52	—	17.92	—	8,457.57
Storrow	—	133.83	5,812.25	506.76	78.21	30.23	348.90	—	—	12.24	—	6,922.42
Tarbox	10.40	326.05	8,802.52	1,033.00	235.48	102.96	132.91	29.51	119.28	13.44	95.56	10,900.79
Union St.	—	67.35	5,880.50	639.00	68.00	36.88	398.78	1.44	—	9.68	—	7,101.63
Walton	4.50	61.50	4,313.75	308.74	67.47	38.65	333.50	17.78	—	9.68	—	5,155.12
Warren St.	—	—	2,393.00	324.65	—	—	313.05	3.84	—	—	—	3,043.50
Washington	—	142.51	5,238.50	435.70	67.76	28.58	394.23	9.76	—	10.32	—	6,327.36
Wetherbee	—	229.91	8,967.87	972.00	162.42	66.54	618.01	32.08	41.44	16.00	26.59	11,132.86
High	39.40	1,989.66	*32,594.50	2,691.25	1,238.38	177.91	1,259.63	612.39	89.17	28.72	37.24	40,758.25
Special School	12.00	100.35	4,124.75	656.25	89.23	39.63	9.50	—	—	11.08	—	5,042.83

*Clerk's Salary Included.

Table 8.

PER CAPITA COST IN THE DIFFERENT SCHOOLS

Year ending December 31, 1910.

Name of School.	Average Membership.	Total Expenditure 1910.	Per Capita Cost of Schooling.
Amesbury St.	237	\$ 5,639.03	\$23.79
Arlington	276	7,961.17	28.85
Bruce	553	15,110.17	27.13
Cross St.	153	4,276.90	27.83
Essex and Warren	394	10,588.69	26.87
Franklin	161	4,805.07	29.84
Hampshire St.	152	4,032.91	26.59
Harrington	222	5,784.75	26.06
Hood	612	15,458.65	23.83
Lowell St.	128	3,585.45	28.01
Newbury St.	150	4,059.46	31.71
Oak St.	276	7,039.64	25.51
Oliver	585	17,110.07	29.25
Packard	675	15,987.53	23.68
Park St.	296	7,299.50	24.66
Prospect St.	177	4,690.30	26.49
Riverside	118	3,591.28	30.44
Rollins	395	12,496.58	31.64
Saunders	252	8,457.57	33.42
Storrow	290	6,922.42	23.87
Tarbox	372	10,900.79	29.31
Union St.	298	7,101.63	24.17
Walton	160	5,155.12	32.22
Washington	222	6,327.36	28.50
Wetherbee	351	11,132.86	31.72
High	688	40,758.25	59.23
Special School	190	5,042.83	26.53

Table 9.

PER CAPITA COST OF SALARIES, TEXT BOOKS,
TEACHERS' AND PUPILS' SUPPLIES AND
JANITORS' SUPPLIES.

Year ending December 31, 1910.

NAME OF SCHOOL.	Average Membership 1910.	Teachers' Salaries Per Capita.	Text-Books Per Capita.	Teachers' and Pupils' Supplies Per Capita.	Janitors' Supplies Per Capita.
Amesbury St.	236.65	20.18	.21	.24	.11
Arlington	275.90	24.11	.74	.39	.11
Bruce	552.60	21.49	.78	.56	.21
Cross St.	153.05	21.41	.81	.57	.20
Essex	394.27	21.62	.36	.41	.10
Franklin	160.92	24.44	.40	.26	.11
Hampshire St.	151.83	21.75	.34	.43	.10
Harrington	222.07	21.76	.41	.30	.09
Hood	612.28	19.84	.66	.39	.17
Lowell St.	127.67	22.02	.56	.51	.14
Newbury St.	149.89	21.71	.66	.62	.19
Oak St.	276.39	21.37	.46	.33	.14
Oliver	585.30	22.22	.77	.34	.34
Packard	674.99	19.08	.94	.61	.11
Park St.	295.91	20.42	.47	.22	.09
Prospect St.	176.97	21.70	.41	.33	.22
Riverside	118.26	23.08	.82	.54	.13
Rollins	395.39	25.84	.48	.66	.13
Saunders	252.10	27.68	.13	.41	.13
Storow	289.70	20.06	.47	.27	.11
Tarbox	372.14	23.65	.88	.63	.28
Union St.	298.06	19.73	.23	.23	.13
Walton	159.92	26.97	.38	.42	.24
Washington	221.62	23.64	.64	.31	.13
Wetherbee	350.58	25.58	.66	.46	.19
High	688.17	47.35	2.88	1.80	.26
Special school	189.92	21.72	.53	.47	.21

Table 10.

AVERAGE PER CAPITA COST OF TEXT BOOKS AND
TEACHERS' AND PUPILS' SUPPLIES FOR
THREE YEARS.

NAME OF SCHOOL	1908	1909	1910	Average Three Years.
Amesbury St. ....	.90	.88	.45	.75
Arlington ....	.97	1.54	1.13	1.21
Bruce	1.15	1.23	1.34	1.24
Cross St. ....	.88	.95	1.38	1.07
Essex and Warren St.	1.00	.80	.77	.86
Franklin	1.25	.97	.66	.96
Hampshire St. ....	.93	1.54	.77	1.08
Harrington ....	.72	.97	.71	.80
Hood	1.72	1.11	1.05	1.29
Lowell St. ....	.55	.63	1.07	.75
Newbury St.	1.43	1.23	1.28	1.31
Oak St. ....	.81	.95	.79	.85
Oliver	1.71	1.45	1.11	1.42
Packard	1.42	1.19	1.55	1.39
Park St. ....	.66	.60	.69	.65
Prospect St. ....	.60	.84	.74	.73
Riverside ....	.49	.31	1.36	.72
Rollins	1.92	1.47	1.14	1.51
Saunders ....	.70	.63	.54	.62
Storrow ....	.68	.90	.74	.77
Tarbox	2.57	1.23	1.51	1.77
Union St. ....	.38	.36	.46	.40
Walton ....	.59	.37	.86	.60
Washington ....	.92	1.04	.95	.97
Wetherbee	1.46	1.22	1.12	1.26
High	4.92	2.54	4.68	4.05
Special ....	.97	.86	1.00	.94

Table II.

APPORTIONMENT OF EXPENDITURE SINCE 1902.

(including evening and vacation schools).

	1902	1903	1904	1905	1906	1907	1908	1909	1910
Teaching	\$20.29	\$21.00	\$21.39	\$20.29	\$21.64	\$23.16	\$25.83	\$25.94	\$26.55
Fuel and care	3.10	5.33	4.37	3.97	3.62	4.39	4.31	4.06	3.98
Books and supplies ..	1.69	1.44	1.43	1.58	1.65	1.58	1.94	1.55	1.75
Light, power,	.25	.29	.26	.25	.22	.30	.35	.29	.32
Officers' salaries, ..	.70	.70	.80	.77	.83	.87	.95	.93	.92
Miscellaneous	.40	.48	.49	.43	.40	.67	.85	.69	1.00
Total	\$26.43	\$29.24	\$28.74	\$27.29	\$28.36	\$30.97	\$34.23	\$33.46	\$34.52

Table 12.

PER CAPITA EXPENDITURE FOR TEXT BOOKS AND
SUPPLIES SINCE 1902.

(including evening and vacation schools).

Year	Aver. No. of Pupils	Expended for Text Books	Cost per Pupil	Expended for Supplies	Cost per Pupil	Cost of Both
1902	7,325	\$4,373.17	.60	\$8,023.85	\$1.09	\$1.69
1903	7,369	4,901.65	.67	5,637.36	.77	1.44
1904	7,523	4,567.97	.67	6,114.74	.76	1.43
1905	7,951	6,031.39	.75	6,512.76	.83	1.58
1906	8,075	6,180.62	.75	7,194.25	.90	1.65
1907	8,129	5,371.88	.66	7,438.17	.92	1.58
1908	8,065	6,293.97	.79	9,309.84	1.15	1.94
1909	8,232	5,177.88	.63	7,541.87	.92	1.55
1910	8,383	7,166.67	.85	7,547.89	.90	1.75

Table 13.

EXPENDITURES FOR EVENING SCHOOLS.

Season 1909-10.

	High	Drawing	Oliver	Essex	Packard	Totals
Teachers' salaries	\$5,241.00	\$762.00	\$4,085.50	\$413.00	\$549.00	\$11,050.50
Text-Books	348.11	—	82.50	—	70.40	501.01
Janitors' salaries	444.75	—	357.50	45.00	81.25	928.50
Janitors' supplies	15.16	—	7.55	—	—	22.71
Teachers' and pupils' supplies	205.10	158.31	99.09	.37	2.52	465.39
Total expenditure per school	6,254.12	929.31	4,632.14	458.37	703.37	—
Graduation expense	—	—	—	—	—	175.31
Supervisor's salary	—	—	—	—	—	400.00
Grand total	—	—	—	—	—	13,552.42
Per capita cost (on average attend.)	10.49	13.08	7.09	8.81	10.05	9.54

Table 14.

EXPENDITURE FOR VACATION SCHOOLS.

Summer of 1910.

Expenditures.

Teachers' salaries	\$549.80
Janitors' salaries	88.00
Supplies and equipment	200.12
	<hr/>
	\$837.92

Receipts.

From Trustees of White Fund (whole maintenance of Franklin and Walton schools,	\$139.66
	<hr/>
Net cost of City,	\$698.26

Table 15.

TEACHERS' PAYROLLS FOR FOUR YEARS.

DAY SCHOOL.

	1907	1908	1909	1910
January	\$16,441.00	\$19,352.24	\$19,962.50	\$20,490.00
February	16,754.74	19,466.75	20,006.00	20,551.50
March	16,817.00	19,444.01	20,079.50	20,667.50
April	16,679.00	19,510.49	20,010.75	20,707.50
May	16,824.49	19,426.00	19,977.50	20,708.13
June	16,792.50	19,428.00	19,955.50	20,763.25
September	19,029.75	19,518.00	20,265.00	21,049.38
October	19,194.26	19,740.24	20,465.37	22,295.99
November	19,172.00	19,964.13	20,466.25	22,371.00
December	19,262.25	20,016.25	20,525.75	22,452.00
Totals,	\$176,966.99	\$195,866.11	\$201,714.12	\$212,056.25

Table 16.

TEACHERS' PAY ROLL FOR FIVE YEARS.

EVENING SCHOOLS.

	1906	1907	1908	1909	1910
January ..	\$1,940.00	\$2,009.50	\$2,663.50	\$2,366.00	\$2,065.16
February .	2,403.50	2,452.00	2,139.50	2,350.00	2,848.86
October ..	1,829.00	1,566.50	2,486.50	2,200.66	1,446.49
November	1,906.50	2,224.00	2,402.00	2,188.16	1,820.16
December.	1,326.50	2,192.00	2,134.50	2,147.66	1,817.66
Totals ...	\$9,405.50	\$10,444.00	\$11,826.00	\$11,252.48	\$9,998.33

Table 17.
COAL ACCOUNT 1909 AND 1910.
(average for three years).

Name of School.	1909			1910			Aver. three Years.
	Tons Del. Rooms	Aver. per Room	Aver. per Room.	Tons Del.	Rooms	Aver. per Room	
Amesbury	66	4	17	61	4	15	16
Arlington	80	8	10	65	8	8	9
Bruce	112	15A	7	123	17A	7	7
Cross Street	48	4	12	58	4	14	13
Essex Street,	80	8E	10	77	8E	10	10
Franklin	51	4	13	50	4	12	12
Hampshire Street	56	4	14	48	4	12	14
Harrington	56	4	14	63	4	16	15
Hood	197	16A	12	228	16A	14 $\frac{1}{4}$	13
Lowell Street	35	4	9	33	4	8	9
Newbury Street	36	4	9	31	4	8	9
Oak Street	65	6	11	54	6	9	10
Oliver, Old High, Old High Annex	230	30E	8	264	30E	9	8
Packard	129	16E	8	74	12E	6	7
Park Street	101	8	13	71	8	9	11
Prospect Street	71	4	18	63	4	16	16
Riverside	60	4	15	61	4	15	15
Rollins	59*	10A	6	104	10A	10	8
Saunders	84	12	7	83	12	7	7
Storrow	65	6	11	55	6	9	10
Tarbox	120	10A	12	96	10A	10	11
Union Street	66	6	11	66	6	11	11
Walton	65	4	16	55	4	14	15
Warren Street	56	4	14	52	4	13	13
Washington	77	6	13	66	6	11	12
Wetherbee	106	10A	11	105	10A	11	11
High	241	25AE	10	235	33AE	7	9

A—Assembly hall, teachers' rooms, library, etc. Fan system.
E—Evening schools.

*Partial supply.

APPENDIX II.

- Table No. 1: Summary of Statistics for 1910. School Census, September 1910. School Buildings and Teachers. Enrolment and attendance. Attendance in December. Evening School Attendance in December. Number of days schools were actually in session.
- Table No. 2: Summary of Monthly Reports for school year ending June 1910.
- Table No. 3: Enrollment and Attendance, January to December. Term of Eleven Years.
- Table No. 4: Average Number of Pupils per Teacher in the different Elementary Schools.
- Table No. 5: Average Number of Pupils per Teacher for Five Years.
- Table No. 6: Size of Elementary Classes for Five Years.
- Table No. 7: High School Statistics.
- Table No. 8: Number of Pupils in the Different Grades of the Elementary Schools for a Term of Six Years.
- Table No. 9: Ages of Pupils in the Grades.
- Table No. 10: Promotions in the Grades for Four Years.
- Table No. 11: Repeaters in the Grades.
- Table No. 12: Evening School Enrolment and Attendance.
- Table No. 13: Growth of the Evening High School and the Evening Preparatory School.

- Table No. 14: Number of Pupils pursuing the Different Branches in the Evening High School.
- Table No. 15: Attendance at Evening High School.
- Table No. 16: Nationalities in the Evening Elementary Schools.
- Table No. 17: Enrolment and Attendance in Vacation Schools.
- Table No. 18: School Buildings.
- Table No. 19: School Sitzings.
- Table No. 20: Schedule of Salaries.

Table I.
SUMMARY.

I. Census.

State Census, 1905	70,000
Special Census, 1907	76,616
National Census, 1910	85,892
Children between 5 and 15, September 1910	13,240

II. Buildings.

Number of School Buildings	31
Number of occupied Class Rooms	238

III. Teachers.

In High School	29
Men 9 Women 20	
In Elementary Schools	261
Men 6 Women 255	
Supervisors	7
of Primary Grades 1	
of Drawing 3	
of Music 3	
Special Teachers of Sewing	5
Total number of Day School Teachers	301
Evening School Teachers, December 23, 1910	67
Supervisor	1
High School	22
Men 16 Women 6	
High School preparatory	6
Men 0 Women 6	
Elementary	36
Men 8 Women 28	
Drawing	3
Men 3 Women 0	
Total number of teachers, day and evening schools.....	368

IV. Attendance.

	1909	1910	Increase
Total enrolment	10,711	10,754	43
Average number belonging	8,232.51	8,382.55	150.04
Average attendance	7,679.71	7,805.78	126.07
Per cent attendance	93.2	93.1	— .1
High School graduates	109	103	— 6

V. ATTENDANCE IN DECEMBER.

	1909	1910	Increase
Whole Number	8,484	8,729	+ 245
In High School	688	761	+ 93
In Elementary Schools	7,816	7,968	+ 152
In First Grade	1,561	1,622	+ 61
In Second Grade	1,169	1,244	+ 75
In Third Grade	1,076	1,079	+ 3
In Fourth Grade	980	988	+ 8
In Fifth Grade	917	910	— 7
In Sixth Grade	850	842	— 8
In Seventh Grade	685	723	+ 38
In Eighth Grade	512	529	+ 17
Ungraded	66	31	— 35

VI. Evening School Attendance in December.

	1909	1910	Increase
High School—Regular	411	497	+ 86
High School—Preparatory	285	282	— 3
Elementary Schools	985	729	— 256
Drawing School	82	97	+ 15

VII.

Number of days schools were actually in session	182 days
Number of days omitted because of holidays	5 days
Number of days omitted by special vote of Committee, .9½ days	
Number of days omitted by the no-school signal	3½ days
Actual number of weeks schools are in session in a forty week years,	36 2-5 weeks

TABLE 2: SUMMARY OF MONTHLY REPORTS FOR SCHOOL YEAR ENDING JUNE, 1910.

Name of School.	Total Enrollment For Month	Average No. Belonging	Average Daily Attendance	Per Cent of Attendance	Total Half Days Absence	No. Cases of Tardiness	No. Cases of Dismissal	No. Cases of Truancy	Half Days Teacher was Absent	Times Teacher was Tardy
Amesbury St.	246	237.51	217.56	91.60	7,313	621	10	6	19	35
Arlington	297	282.94	263.28	93.05	7,213	634	43	3	105	16
Bruce	552	541.95	504.04	93.	13,722	884	663	48	62	35
Cross St.	157	155.12	139.25	87.12	4,429	354	197	26	0	46
Essex	418	407.77	379.84	93.15	10,134	335	175	39	62	10
Franklin	153	144.76	136.42	94.24	3,765	479	25	4	63	0
Hampshire St.	152	145.24	135.74	93.46	3,456	264	88	29	26	14
Harrington	228	220.58	202.32	91.72	6,681	409	44	8	15	4
Hood	622	599.14	566.68	95.50	14,307	1,027	350	26	86	26
Lowell St.	146	139.07	125.77	90.44	4,853	579	100	3	6	24
Newbury St.	162	157.03	143.74	91.54	4,865	368	119	41	81	1
Oak St.	280	266.57	237.43	89.07	10,657	383	11	7	42	8
Oliver	620	601.90	565.62	93.97	13,188	567	32	45	45	61
Packard	677	663.59	619.35	93.33	16,461	498	409	15	125	41
Park St.	305	297.66	274.40	92.19	8,464	1,173	119	30	22	53
Prospect St.	173	168.36	155.83	92.56	4,564	331	35	4	54	15
Riverside	130	115.03	107.62	93.56	3,068	106	40	25	24	4
Rollins	402	395.70	377.56	95.42	6,592	341	260	23	60	18
Saunders	257	248.71	222.61	89.50	9,613	857	82	16	8	59
Storrow	302	293.10	275.33	93.84	6,489	210	122	8	43	9
Tarbox	371	353.29	343.86	97.33	6,982	740	85	5	14	17
Union St.	302	301.38	261.31	86.70	10,944	637	64	118	14	17
Walton	182	168.39	148.48	88.18	7,244	653	27	6	10	6
Washington	228	213.94	201.82	94.33	4,564	599	60	2	66	10
Wetherbee	359	353.52	332.30	94.	7,221	299	128	15	28	8
High	647	657.02	635.20	96.68	3,927	674	496	0	23	15
Special School	229	210.81	180.90	85.81	10,912	1,426	86	36	54	55
Grand Totals,	8,597	8,340.08	7,754.26	93.98	211,628	15,448	4,310	575	1,162	607

Table 3.

ENROLLMENT AND ATTENDANCE, JANUARY TO
DECEMBER, TERM OF ELEVEN YEARS.

	Total Enrollment	Average Membership	Average Attendance	Percent of Attendance
1900.....	8,784	6,904	6,500	.94
1901.....	8,800	7,038	6,639	.94
1902.....	9,140	7,325	6,841	.94
1903.....	9,160	7,369	6,901	.94
1904.....	9,571	7,523	7,089	.94
1905.....	9,762	7,951	7,442	.94
1906.....	10,387	8,074	7,447	.92
1907.....	10,461	8,129	7,531	.93
1908.....	10,183	8,065	7,565	.94
1909.....	10,711	8,232	7,679	.93
1910.....	10,754	8,383	7,806	.93

Table 4.

AVERAGE NUMBER OF PUPILS PER TEACHER IN
THE ELEMENTARY SCHOOLS.

1910.

	No. Belonging Dec. 1910.	No. of Teachers	Av. No. Pupils per Teacher.
Amesbury Street	254	8	31.7
Arlington	275	9*	30.5
Bruce	585	16*	36.5
Cross Street	167	5	33.4
Essex	265	9*	29.4
Franklin	182	7	26
Hampshire Street	177	6	29.5
Harrington	231	8	28.8
Hood	397**	11**	36
Lowell Street	109	4	27.2
Newbury Street	149	5	29.8
Oak Street	293	10	29.3
Oliver	589	18*	32.7
Packard	707	18*	39.2
Park Street	292	9	32.4
Prospect Street	192	6	32
Riverside	119	4	29.7
Rollins	406	12*	33.8
Saunders	271	9*	30.1
Storrow	291	10	29.1
Tarbox	411	11*	37.3
Union Street	307	10	30.7
Walton	176	7	25.1
Warren Street	120	4	30
Washington	233	8	29.1
Wetherbee	353	11*	32

Average number of pupils per teacher, 32.1.

*Masters and supervising principals not counted.

**Practice Department not counted.

Table 5.

AVERAGE NUMBER OF PUPILS PER TEACHER.

December 1906,.....	35.2
December 1907,.....	33.4
December 1908,.....	32.4
December 1909,.....	32.2
December 1910,.....	32.1
Average in twenty-five Massachusetts cities in 1908.....	39.2
Average in nineteen large cities outside of Massachusetts, 1908,	41.4

Table 6.

SIZE OF ELEMENTARY SCHOOL CLASSES
FOR THE LAST FIVE YEARS.

1906.

26 rooms had 30 or less.
101 rooms had more than 30 and less than 41.
39 rooms, taught by one teacher, had more than 40 pupils.
11 rooms had *two* teachers.

1907.

30 rooms had 30 or less.
102 rooms had more than 30 and less than 41.
41 rooms, taught by one teacher, had more than 40 pupils.
25 rooms had *two* teachers.

1908.

30 rooms had 30 or less.
123 rooms had over 30 and less than 41.
33 rooms, taught by one teacher, had more than 40 pupils.
16 rooms had *two* teachers.

1909.

26 rooms had 30 or less.
106 rooms had over 30 and less than 41.
40 rooms, taught by one teacher, had more than 40 pupils.
24 rooms had *two* teachers.

1910.

35 rooms had 30 or less.
85 rooms had over 30 and less than 41.
47 rooms, taught by one teacher, had more than 40 pupils.
28 rooms had *two* teachers.

Table 7.
HIGH SCHOOL STATISTICS.
1910.

Average Membership	657.02
Number in entering class	270
Number of graduates	103
Number of teachers	28

Statistics for School Year Ending June, 1910.

No. of teachers.....	28	Enrollment, December, 1910:	
No. enrolled	279	First year,	
Av. No. belonging	657.02	Boys,	129
Av. attendance	635.20	Girls,	119
In first year,		Second year,	
September, 1909...	272	Boys,	79
June, 1910	218	Girls,	73
Percent. loss	19.08		
In second year,		Third year,	
September, 1909...	198	Boys,	66
June, 1910	159	Girls,	62
Percent. loss	19.69		
In third year,		Fourth year,	
September, 1909...	117	Boys,	63
June, 1910,.....	107	Girls,	42
Percent. loss ...	8.54		
In fourth year,		Post Graduates,	
September, 1909...	108	Boys,	8
June, 1910	104	Girls,	3
Percent. loss	3.7		
No. of graduates,		Total,	
Boys,	61	Boys,	345
Girls,	42	Girls,	299
Total,	103	Total,	644

Av. age of graduates, 1910,	No. entering college of techni-
Boys, ..18 years 3 months	cal school, .....31
Girls, ...17 years 8 months	No. entering normal school 15

Number of Pupils Taking Following Subjects:

English	729	German	100
Latin	552	Physical Geography	80
Algebra	548	Elocution	69
Music	512	Chemistry	51
History	354	Bookkeeping	45
French	305	Commercial Arithmetic ..	45
Geometry	235	Stenography-Typewriting	42
Mechanical Drawing	178	Greek	30
Freehand Drawing	151	Botany	29
Manual Training	123	General Biology	18
Physiology and Hygiene..	110	Trigonometry	6
Physics	103		

Number of Recitation Periods per Week, exclusive of Music and Drawing.

Number taking 10 hours per week	15 hours	20 hours	25 hours
1910			
Boys	0	2	45
Girls	0	8	25
1911			
Boys	0	8	44
Girls	0	6	51
1912			
Boys	0	7	77
Girls	0	14	78
1913			
Boys	1	35	102
Girls	2	57	70

Av. No. of Rec. hours per week for each boys in school....	20.35
Av. No. of Rec. hours per week for each girl in school....	19.20
Av. No. of Rec. hours per week for each pupil in school....	19.82

Table 8.

TABLE SHOWING NUMBER OF PUPILS IN EACH
GRADE BELOW THE HIGH SCHOOL IN
DECEMBER FOR SIX YEARS.

	1905	1906	1907	1908	1909	1910
Eighth	366	446	450	457	512	529
Seventh	618	642	668	730	685	723
Sixth	730	804	810	813	850	842
Fifth	968	978	994	971	917	910
Fourth	1035	1148	1046	969	980	988
Third	1097	1118	1074	962	1076	1079
Second	1156	1155	1039	1068	1169	1244
First	1581	1315	1469	1401	1561	1622
Ungraded		117	155	180	66	31
Totals,	7551	7733	7615	7551	7816	7968

Table 9.

AGES OF PUPILS IN THE GRADES.

(Children below the heavy line are above normal age for the grade, according to the accepted standard.)

(December 1, 1910)

Years Old	1	2	3	4	5	6	7	8	Totals
5	320								320
6	747	170	4						921
7	<u>358</u>	470	145	1					974
8	133	<u>305</u>	350	126	2				916
9	41	137	<u>269</u>	325	106	10			888
10	23	73	137	<u>251</u>	290	144	4		922
11	14	20	64	137	<u>200</u>	231	125	4	795
12	15	23	41	71	174	<u>222</u>	244	99	889
13	15	22	43	67	104	174	<u>241</u>	203	869
14	12	22	21	32	24	45	90	<u>152</u>	398
15	10	13	7	5	6	10	13	54	118
16	2	1	2	1			6	8	20
17				1			2	2	5
Totals,	1690	1256	1083	1017	906	836	725	522	8035
Above normal age...	265	311	315	314	308	229	111	64	1917
Perc't above normal age	.16	.25	.29	.31	.34	.27	.15	.12	.24

Table 10.
PROMOTION IN THE GRADES.
YEAR ENDING IN JUNE.

Grade	June List	1906-7		Per Cent
		Promoted	Left Behind	
First	1293	891	362	.20
Second	1139	898	196	.17
Third	1050	876	159	.15
Fourth	985	802	163	.16
Fifth	1022	821	156	.15
Sixth	707	532	142	.20
Seventh	543	428	82	.15
Eighth	381	342	39	.10
Totals	7120	5590	1299	.18

Grade	June List	1907-8		Per Cent
		Promoted	Left Behind	
First	1343	876	417	.31
Second	971	787	164	.17
Third	1024	848	154	.15
Fourth	1013	846	131	.13
Fifth	914	795	106	.11
Sixth	757	686	97	.13
Seventh	538	425	90	.17
Eighth	398	290	23	.06
Totals	6958	5553	1182	.17

Grade	June List	1908-9		Per Cent
		Promoted	Left Behind	
First	1428	963	437	.31
Second	1122	941	155	.14
Third	1024	900	103	.10
Fourth	960	806	118	.12
Fifth	930	798	85	.09
Sixth	769	660	68	.08
Seventh	609	490	77	.13
Eighth	416	325	26	.06
Totals	7258	5883	1069	.15

Grade	June List	1909-10		Per Cent
		Promoted	Left Behind	
First	1516	1078	418	.28
Second	1206	1030	159	.13
Third	940	836	78	.08
Fourth	940	845	67	.07
Fifth	852	768	61	.07
Sixth	791	692	45	.06
Seventh	615	543	53	.09
Eighth	492	471	21	.04
Totals	7352	6263	902	.12

High School				
First year	218	206	10	.05
Second year	167	163	3	.02
Third year	125	121	3	.02
Fourth year	104	103		
Totals,	614	593	16	.03

Table II.
REPEATERS IN THE GRADES.
(December 5, 1910.)

Grade.	Number Belonging	Number Repeating	Percent. Repeating
I	1658	366	.22
II	1250	150	.12
III	1084	76	.12
IV	991	86	.09
V	918	56	.06
VI	843	77	.09
VII	723	41	.09
VIII	529	18	.03
Totals,	7996	870	.11

Table 12.

EVENING SCHOOL ENROLLMENT AND ATTENDANCE
SEASON OF 1909-10.

	High	Drawing	Oliver	Essex	Packard	Totals.
Av. No. Belonging	707	88	831	66	81	1773
Av. Attendance	596	71	653	52	70	1442
Percentage Attendance . . .	84	81	78	79	86	81

Table 13
GROWTH OF THE EVENING HIGH SCHOOL AND
THE PREPARATORY DEPARTMENT
FOR FIVE YEARS.

1906			1907			1908			1909		
High School	Prep. High	Total	High School	Prep. High	Total	High School	Prep. High	Total	High School	Prep. High	Total
158	128	286	223	168	391	342	311	653	411	259	670

1910		
High School	Prep. High	Total
497	281	778

Table 14.

NUMBER OF PUPILS PURSUING THE DIFFERENT
SUBJECTS IN THE EVENING HIGH SCHOOL.

Penmanship I	123	Stenography I	59
German I	12	Stenography II	43
German II	7	Stenography III	18
Commercial Arithmetic I..	190	Typewriting I	48
Commercial Arithmetic II.	31	Typewriting III	19
Book-keeping I	58	French I	50
Book-keeping II	36	French II	18
English I	234	Algebra I	36
English II	141	Algebra II	14
English III	99	Public Speaking	16
General Biology	19	Physics I	20
Business Methods	28	Hygiene, Personal (and	
Elementary Science	14	Public	27
Chemistry	22	Civic and Economic Prob-	
General History	16	lems,	21

Table 15.

ATTENDANCE AT EVENING HIGH SCHOOL.

(Season of 1909-10—69 nights.)

Number attending from 1 to 9 nights.....	78
Number attending from 10 to 19 nights.....	47
Number attending from 20 to 29 nights.....	33
Number attending from 30 to 39 nights.....	27
Number attending from 40 to 49 nights.....	11
Number attending from 50 to 59 nights.....	75
Number attending from 60 to 69 nights.....	253

Table 16.

NATIONALITIES IN THE EVENING SCHOOLS.

(Figures based on number belonging in December.)
(Non-English Speaking.)

Nationality.	Oliver.	Essex.	Packard.	Total.
Italian	210		6	216
Syrian	43			43
Polish	90			90
Lithuanian	48		2	50
French	60	50	18	128
Russian	15	3		18
Armenian	31	2		33
Greek	12			12
Hebrew	31	1		32
German	9			9
Other Nationalities	15	3	2	20

Table 17.
ENROLLMENT AND ATTENDANCE
IN VACATION SCHOOLS.

1910.

Schools.	No. Enrolled	Average Attendance.	Perc. of Attendance.	No. Enrolled in Group I.	No. Enrolled in Group II.	No. of Girls Over 10 Years.	No. of Boys Over 10 Years.
Oak	345	324.425	94.036	105	92	52	96
Packard	205	192.140	93.726	60	60	25	58
Essex	148	143.210	96.763	40	40	36	32
Franklin	78	75.787	97.162	28	50	—	—
Walton	93	90.005	96.779	45	48	—	—
Totals,	869	825.567	95.567	280	290	113	186

Table 18.

SCHOOL BUILDINGS.

NAME.	Description	Class Room	Heating System	Valuation	Built	Years in Use	Enlargements and Alterations
Amesbury	Brick	4	Steam	\$24,174.00	1882	23	—
Arlington	"	8	"	25,796.00	1890	20	1896
Bruce,	"	*17	"	100,411.00	1902	8	1910
Cross	"	4	"	7,000.00	1852	58	1869
Essex	"	8	"	26,179.00	1890	20	1896
Franklin	Wooden	4	"	13,078.00	1854	52	1875
Hampshire	"	4	"	7,797.00	1854	56	1881
Harrington	Brick	4	"	12,734.00	1874	36	—
G. E. Hood	"	*16 F.	"	148,000.00	1905	5	—
Lowell	Wooden	4	"	8,500.00	1861	49	1878
Newbury	Brick	4	"	10,400.00	1850	56	1885
Oak	"	6	"	22,006.00	1871	39	1873
Oliver	"	16	"	53,405.00	1848	62	1853-1867
Packard	"	10	"	25,700.00	1896	24	—
Packard Annex	Wooden	4	"	7,536.00	1896	14	—
Park	"	4	"	13,300.00	1880	19	—
Prospect	"	4	"	6,911.00	1856	54	1878
Riverside	"	4	"	7,000.00	1875	35	—
Rollins	Brick	*10 F.	"	65,170.00	1893	17	—
Saunders	Wooden	8	"	13,981.00	1860	40	1873
Sanuders Annex	"	4	"	6,519.00	1896	14	—
Storrow	"	6	"	18,000.00	1884	22	1903
Tarbox	*Brick	10 F.	"	57,307.00	1895	15	—
Union	Wooden	6	Furnace	11,336.00	1876	34	1882
Walton	Brick	4	Steam	12,268.00	1880	30	—
Warren	Wooden	4	"	8,200.00	1869	41	1904
Washington	Brick	6	"	18,300.00	1876	34	—
Wetherbee	"	*10 F.	"	95,067.00	1897	13	—
High	"	*25 F.	"	244,357.00	1901	9	—

* Assembly Hall, Teachers' Rooms, Library, etc.
 F Fan System.

Table 19.

SCHOOL SITTINGS.

	Whole Number of Seats.	No. Belonging Dec. 1910.	Seats unoccupied
Amesbury Street	252	253	0
Arlington	353	281	72
Bruce	708	591	117
Cross Street	177	171	6
Essex and Warren Street.	527	392	527
Franklin	211	188	23
Hampshire	192	182	10
Harrington	232	238	0
Hood	754	646	108
Lowell Street,	181	112	69
Newbury Street	174	147	27
Oak Street	360	300	60
Oliver	719	586	133
Packard	798	708	90
Park Street	363	299	64
Prospect Street	212	198	14
Riverside	174	123	51
Rollins	485	410	75
Saunders	410	271	139
Storrow	360	292	68
Tarbox	492	405	87
Union Street	368	308	60
Walton	192	181	11
Washington	266	240	26
Wetherbee	454	359	95
High	817	767	50
Special	176	186	0
	<hr/> 10,407	<hr/> 8,834	<hr/> 1,982

Table 20: TEACHERS' SALARY SCHEDULE, IN EFFECT SEPTEMBER 1, 1907.
(Amended October 1, 1910.)

Grade,	YEARS OF SERVICE.											
	1	2	3	4	5	6	7	8	9	10	11	12
High School.												
Head-Master,												
Sub-Master	\$3,000											
Masters	1,400	1,500	1,600	1,700	1,800	1,900	2,000					
Assistants (women)	700	800	1,900	1,000	1,100	1,200	1,300	1,400	1,500	1,600	1,700	1,800
	600	650	700	750	800	900	1,000	Heads of Depts. by special vote.				
Grammar and Primary Schools.												
Master	1,400	1,500	1,600	1,799	1,800	1,900	2,000	2,100	2,200			
Master's Assistant	800											
Teachers of all Grades ..	450	500	500	550	600	650	700	750				
Principals, 4 and 5 rooms, \$800; 6 and 7 rooms \$825; 8 and 9 rooms, \$850; 10 and 11 rooms, \$875; 12 and over, \$900												
Directors of Music.												
Man	1,200	1,300	1,400	1,500	1,600	1,700						
Woman	600	650	700	750	800	850	900	950	1,000			
Directors of Drawing												
Man	1,200	1,300	1,400	1,500	1,600	1,700						
Woman	600	650	700	750	800	850	900	950	1,000			
Teachers of Sewing: Same as regular teachers.												

APPENDIX III

Graduates of 1910.

High and Grammar Schools, Evening High School,
with program of exercises.

Award of Prizes.

Election and Transfers of Teachers.

Resignation of Teachers.

Leaves of Absence of Teachers.

School Census.

Truancy.

Labor Certificates.

Contagious Diseases.

Teachers' Directory.

Janitors' Directory.

School Calender.

School Committee for 1911.

GRADUATIONS, 1910.

The graduation of the class of 1910 of the High School was held in City Hall, Monday afternoon, June 28th. The address was delivered by John H. Finlay, L.L.D., President of New York College, and diplomas were presented by Hon. John Breen, Chairman of the High School Committee.

The seven Grammar schools held their usual graduation exercises at City Hall, on Tuesday afternoon, June 28th. The address was delivered by Dr. A. E. Winship, Editor of the Journal of Education, and diplomas were presented to four hundred fifty-nine graduates by Mr. Maurice J. Mohaney, Chairman of the Grammar School Committee.

The Evening High School held their graduation exercises in the High School assembly hall, on Monday evening, March 21st. The address was delivered by Hon. William S. Knox and diplomas were presented seventy-eight graduates by Mr. William Hendry of the Evening School Committee.

ORDER OF EXERCISES.

*Of the Fifty-Ninth Anniversary of the Lawrence High School,
Monday, June 27, 1910.*

PROGRAM.

MARADO R. CARLISLE, ACCOMPANIST.

MARCH—Entrance of the Classes, . . . *Columbian Orchestra*

HYMN—"O, God, Our Help," Tune, "Manoah."

PATRIOTIC SONG—"The Banner of the Free," . . *G. F. Wilson*

ADDRESS OF WELCOME,

JOSEPHINE MARY BARLOW.

CHORUS—"The Stormy Evening,".....*G. W. Chadwick*
SCHOOL CHORUS.

FAREWELL ADDRESS,

HARRY ANTHONY CAFFREY.

PART SONG—"Over the Water,".....*E. S. Hosmer*
ADDRESS,

JOHN H. FINLEY. L.L.D.

President of the College of the City of New York.

SONG AND CHORUS—"The Armorer,"....*George B. Nevin*
SCHOOL CHORUS.

Awarding of Diplomas and Hood and Perkins Prizes by
Hon. John Breen, Vice Chairman of the School Committee.

CLASS ODE,

Words by MILDRED LOUISE GRIMES.

High School Graduates

Annie Marian Alexander
Albert Hovey Anderson
Isadore Ashkenazy
Lewis R. Ashton
Thomas Calvin Atchison
Marion M. Auty
Arthur Raymond Ayer
F. Bertrand Banan
John Wesson Bolton, Jr.
Harriet Ruth Bradstreet
Helena Catherine Breen
Abe A. Brown
Harry Anthony Caffrey
Marado Ruth Carlisle
Howard Orsemus Chapman
Marion Lavinia Christison
John Francis Cogswell
Charles F. Connor
Mary G. Connor
Joseph Raymond Conway

Francis A. Kelly
Benjamin Robert Leach
Michael Francis Looney
Charles Aloysius Mahoney
Katherine Theresa McAuliffe
Justin A. McCarthy
Esther Mary McDonnell
John Joseph McKone
Mary Genevieve McMahon
Michael Vincent McQuade
Ivan Colson Merrill
Albert Miller
Winifred Margaret Murphy
Charles Nitzschke
Albert Francis Olmstead
Lyman Gilson Perkins
Helen Harding Pickels
Elliott Barton Plummer
Marion Poore
Harold L. Prescott

Edward Joseph Costello
 William H. Cotter
 Charles Albert G. Cronin
 Elizabeth Cunningham
 Philip Mahlon Currier
 Victor T. Augustine Curtin
 Harriet M. Desmond
 Ray Boynton Dodge
 Sadie Agnes Doucet
 Lillian F. Evans
 John Patrick Fleming
 Frank A. Flynn
 William B. Forrest
 Samuel Gabrielson
 Goodman Gafinowitz
 John Henry Garvin, Jr.
 Mildred May Gilbert
 Jacob Ginsburg
 Timothy Cleveland Gleason
 Emma A. Gould
 Cuba Maude Gray
 John H. Greer, Jr.
 Mildred Louise Grimes
 Olin H. Hayes
 Bessie Neel Hendry
 J. Lawrence Henry
 Patrick J. Higgins
 John Joseph Hogan
 John Edward Hopkins
 Augustine Michael Keefe

Geoffrey Lawrence Reid
 Mary Veronica Reusch
 Blanche Rebecca Robinson
 John Francis Roche
 Marion E. Rollins
 Everett Rogers Rutter
 Ruth Dyer Sargent
 Joseph Warren Sawyer
 Lillie May Seaverns
 Elizabeth Agatha Sheehy
 David Frederick Sibulkin
 Reginald S. Stearns
 Augusta Mary Sullivan
 Helen G. Sullivan
 Vivian Taylor
 Louis Tepper
 Julia Ellen Tobin
 Harry James Trees
 Charles Henry Trumbull
 Carl H. Trumpold
 Laura Mildred Varnam
 Leslie F. Wallace
 Gertrude Philomene Walsh
 Mabelle E. Ward
 Arthur George Weigel
 Marguerite Veronica Weiss
 Helen Barbour Woodman
 Anna Elizabeth Wyld
 David Donald Yule

Honor List,

WITH GREAT DISTINCTION

BERNICE BAILEY ABBOTT

JOSEPHINE MARY BARLOW

SUSAN GAVIN DRISCOLL

WITH DISTINCTION

MARION OPHELIA STEWARD

GRADUATING EXERCISES.

Lawrence Evening High School Class of 1910, Monday

Evening, March 21, 1910.

PROGRAM.

ESSAY—"War, a Relic of Barbarism,"

ANNIE E. ALTMAN.

INTERMEZZO, *Hubbell*

ORCHESTRA.

ADDRESS TO GRADUATES,

HON. WILLIAM S. KNOX.

Awarding of Diplomas and Fleming Prizes,

MR. WILLIAM HENDRY.

MARCH—"King Kark," *Unrath*

ORCHESTRA.

OVERTURE—"Romantic," *Keler Bela*

ORCHESTRA.

ESSAY—"A Woman's Sphere in Life,"

GRACE FLORENCE KENT.

ORIGINAL DECLAMATION—"The Call of the Twentieth Century,"

ARCHIBALD APPELYARD.

SELECTION—"Bright Eyes," *Hoschna*

ORCHESTRA.

Class of 1910.

Annie E. Altman
Archibald Appleyard
Gertrude Constance Batterbury
George Joseph Berthiaume
Elizabeth May Booth
Albert Brailsford
Annie Bramhall
Robert Brimner
Josiah George Brown
William Augustine Burke
Eugene Francis Callaghan
Dugald Wyllie Campbell
John Mathieson Campbell

Mary Catherine Jones
Esther Veraconda Kelley
Mary Anastatia Kelley
Wilfrid Charles Kelley
Grace Florence Kent
Joseph Francis Kenyan
Isabel Marie Killilea
Ernest Karl Klein
Catherine Laurie
Harold Edward Leaver
Selina May Lees
Mary Rose Leonard
Elsie Alida Lundgren

Catherine Cecilia Cantwell
 Esther Cross
 Bernice Marie DeRoehn
 Joseph Francis Dowd
 Mary Theresa Dowd
 Ida Emily Duemmling
 Francis Patrick Dyer
 Joe Eastwood
 Francis Joseph Emerson
 Charles Henry Flathers
 George Joseph Flathers
 Arthur Frank Forler
 Mary Fox
 Annie Gaunt
 Ruth Gavin
 Katherine Agnes Golden
 Cecilia Ann Gilcreast
 Ernest Harnish
 Olive Gertrude Hill
 Richard Frank Himmer
 Daniel Joseph Hince
 William Houghton
 Christina Clair Howard
 Ethel Viola Hoyt
 Joseph Shaw Hutton
 Jennie Marion Jacobs

Theodore Augustine Lynch
 Joseph Henry MacDermott
 Christina Law McLaren
 Walter Joseph Matthews
 Joseph Augustine Morrison
 Grace Irene Mosson
 Julia Christina O'Connell
 John James O'Leary
 Joseph Keighly Pearson
 Frances May Peters
 Max Richard Petzold
 Margaret Hannah Robin
 Alfred Saluce Roy
 Paul Herman Sachs
 Henry Edward Schueler
 Mary Louise Sheehan
 Edward Robert Seed
 Walter Albert Singer
 James Henry Smith
 Alice Edith Smith
 A. Ruth Tepper
 Conrad Ernest Thomas
 Adam Robert Walker
 Arthur Gustiv Weisner
 Elsie Alwina Weiss

GRADUATION EXERCISES.

*Of the Lawrence Grammar Schools at City Hall,
 Tuesday, June 28, 1910.*

ORDER OF EXERCISES.

MARCH—Entrance of the Classes.

HYMN—"God and Fatherland," *Nageli*

VOCAL GAVOTTE—"Summer Roses," *Geibel*

ADDRESS TO THE GRADUATES,

DR. A. E. WINSHIP.

Editor of the Journal of Education.

CHORUS—"Soldiers of Peace," *Franz Von Blom*

Presentation of Diplomas by Maurice J. Mahoney, Esq.,
Chairman of the Grammar School Committee.

VOCAL WALTZ—"Bright Dews of Morning," *Crowe-Mitchell*

MARCH—(Passing of the Graduates)

NAMES OF GRADUATES.

Oliver School Graduates.

James E. Ainley
Nellie Alekel
Margaret Arzigian
Alfred Black
Helen Black
Nelson R. Boomhower
Joseph Campopiano
Florence Casey
Philip J. Cleary
Constance E. Clough
Charles E. Dimock
Ida M. Fichtner
Marion Ford
Florence K. Gallagher
Mary A. Gallagher
Ada F. Gerson
Silla B. Gerson
Joseph Ghun
Nettie Ginsberg
Celia R. Glubock
Morris Goldberg
Joseph Grant
Bertha M. Hamilton
Fred Henning
Marguerite D. Irving
Leslie A. Jackson
Alden C. James
James Judge
Julius Katze
Vina Keppie
Nathan Levene

Leroy Long
Daisy Lyman
George Madden
Margaret M. Maguire
Helen B. McCormack
Marion R. McElroy
Viola B. Moore
William F. Mulcahy
Grace D. Murray
Mary F. O'Brien
Charles R. O'Hearn
Genevieve A. O'Leary
Henry A. O'Mahoney
Loretta H. Powers
Lancelot L. Robbins
Louis Rosenberg
Mamie F. Roy
Mary A. Scanlon
Gussie I. Silverman
Annie Stearn
Elizabeth Stearn
Bertha Sugden
John H. Sullivan
Jacob Tepper
Ruth Thompson
Alice G. Ulrich
Joseph Walker
Annie Waters
Edith Watson
Irene Wilson

Alexander B. Bruce School Graduates.

Laurence A. Abercrombie
Elizabeth B. Abrahams
Elizabeth Abrahams
Gertrude K. Abrahams
Samuel S. Barlow
Daniel J. Baril

Herbert Helberg
Herbert D. Howarth
Herbert L. Hoarth
Ruth I. Huckman
Ethel M. Hulme
Margaret W. Hyde

Ida M. Bedard
 Thomas R. Bee
 Fanny A. Beedle
 Alfred Bernstein
 Frederic O. Bent
 Mary G. Bradbury
 Fannie H. Brown
 Lillian A. Calnan
 Edmund Chamberlain
 Fred H. Churchill
 Mildred Clayton
 James E. Coates
 Cora E. Craven
 Gertrude L. Crompton
 Harold M. Crompton
 Mary B. Cronin
 Clarence S. Davis
 Irving W. Dillon
 Laurence W. Donahue
 Ethel L. Evans
 Abe A. Fishman
 Charles G. Fyfe
 Gerard B. Galloway
 Howard H. Gaskill
 Laura E. Gendreau
 Harold W. Cleave
 William C. Glover
 Edward E. Gordon
 Esor L. Goodwin
 Grace E. Grant
 Mary A. Grant
 Mary L. Guerin
 Margaret Guerin
 Marion Hall
 Marion C. Hamblet
 Edwin J. Hazelhurst
 Margaret E. Hinchcliffe
 Herbert Helberg

Isabel W. Kent
 Helen M. Kimball
 Lena Karelitz
 Helen E. Knowles
 Clifford B. Knowles
 Kenneth W. Lord
 Margaret Lord
 Irene D. Macreadie
 Raymond E. McCraw
 Ernest A. McComiskey
 Isabelle E. McFarlane
 James A. McGeoch
 Eleanor McGibbon
 Forest N. Morgan
 James B. Neel
 Lewis B. Parkhurst
 Lenna H. Prescott
 Adolard P. Raymond
 Jennie Rodgers
 Edith L. Roy
 Bernice E. Ryder
 Maurice J. Saletra
 Winthrop O. Sargent
 Raymond C. Seed
 Ethel J. Shikrallah
 Bessie Shinberg
 Verna L. Sloat
 Gordon C. Spotwood
 Millie L. Strout
 Walter W. Toomey
 Elmer R. Trumbull
 Harold D. Turner
 Frances M. Walsh
 Hilda V. Warhurst
 Gwendoline M. Worth
 Paul L. Wylde
 John H. Zelinsky

Packard School Graduates.

Eugene C. Adams
 Walter J. Anderson
 Raymond C. Barcroft
 Ruth G. Beattie
 Helen Black
 David J. Blair
 Frederick D. Bolton
 Helen C. Brown
 Hilda Burhouse
 Nora M. Cahill
 Norman Campbell
 Nora C. Collins
 Lella M. Dawley
 Gertrude E. DeCoursey
 Charles J. Donahue
 Arthur R. Drummond
 Ralph M. Dwinell

Elizabeth A. Lyons
 Nora Mahoney
 Isabel R. Marshall
 Ethel M. McCarthy
 Cornelius B. Meagan
 Thomas C. McGowan
 Ordie L. Monaghan
 Grace E. Moore
 Norah R. Moore
 William J. Moore
 Ruth M. Morell
 Ina A. Mosley
 Anna M. C. Muldoon
 William B. Nelson
 Catherine V. Oldroyd
 Beatrice V. Parsons
 William E. Quinn

Charles A. Everett
 Charles A. Farrisey
 Marion W. Foley
 Paul E. Gaudes
 Beatrice H. Gauthier
 Francis Godin
 Gertrude P. Hackett
 Ruth C. Haffner
 Clifton Hall
 Alice M. Hart
 Reland T. Hart
 Ernest J. Jones
 Frances A. Jordan
 Harold H. Lacy
 Annie A. Laidlaw
 William H. LeGrand
 Walter E. Lena
 Philip A. Lord

Harold Radcliffe
 Francis A. Regan
 Harold E. Rodgers
 Mabel E. Rourke
 Arthur T. Salois
 Dorothy J. Sawyer
 Cornelius J. Shea
 Arthur A. Simmers
 Olga L. Sjostrom
 Grace E. Smith
 Herbert W. Sperry
 John Tomlinson
 Mary G. Toye
 George W. Verrill
 Blanche M. Whittaker
 Thomas F. Wiggin
 Margaret A. Willisroft
 Grace R. Woodcock

John R. Rollins School Graduates.

Fern C. Allen
 B. Henry Allen
 Olive D. Balmforth
 Cecil M. Banan
 Katherine Barrett
 Oscar E. Berthel
 Bertha M. B. Borneman
 Frank R. Brailsford
 Elsie Brecker
 Harold J. Byron
 James E. Daley
 Theresa I. Daly
 Ruth E. Dimmlich
 Emma M. Doerr
 Grace F. Driver
 Louise E. Erbe
 C. Augusta Ferrin
 Mary A. Ford
 Frank O. Forster
 Emma H. Franz
 Frederick W. Funke
 Stanley A. Greenhalgh
 Edward J. Gurry
 Marion G. Hadfield
 Lucy Haigh
 Jennie N. Harrison
 Clara E. Hartman
 Warren W. Hartwell
 Lidwina M. Moegen
 Lizzie E. Hofemann

Edith E. Johnson
 William F. Keegan
 Kattie C. Kiessling
 Eleanor M. Kingman
 Lillian R. Kirke
 J. Marion Lesure
 Mary L. Maguire
 Rose Maier
 Harold Maguire
 Bertha H. Mann
 William F. Markey
 Leon F. Marland
 John B. Martin
 Eleanor Muldowney
 William Oertel
 Thomas J. Roche
 Clara C. Ryan
 Delia T. Ryan
 Pearl M. Schlegel
 Alice G. Schreiterer
 Lillian A. A. Steindl
 Catherine W. Stewart
 Grace E. Sullivan
 Dorothy Sutcliffe
 William Lewis Todd
 Harold D. Ulrich
 Angus A. Waters
 Gustave G. Weller
 Herman G. Wilde
 Gustave E. Yungebauer

Emily G. Wetherbee School Graduates.

Elsie M. Ashworth
 Earl D. Batcheller

Mary J. Higgins
 Sarah J. Holt

Roland S. Bateman
 Joseph H. Bernard
 John E. Bowler
 James V. Brown
 Yvonne M. Belanger
 Anna C. Carlson
 John J. Coleman
 Nora H. Collins
 Walter E. Dean
 Marie S. Dempsey
 Warren W. Desmond
 John L. Donovan
 Robert M. Dowe
 Carl H. Dunlap
 Edward F. Durgin
 Ethel B. Farrington
 Algie M. Faucher
 Harold G. Fitzgerald
 Louis R. Fortin
 William J. Gavin
 Genevieve V. Graham
 Francis P. Hayes
 Guy D. Hawkins
 M. Irene Hetue

Francis A. Keefe
 John J. Kennedy
 Mary L. King
 Helen G. Linehan
 John J. McCall
 Allan R. McLay
 Mary A. McCarthy
 Margaret E. Newell
 Herbert E. Poore
 George M. Prescott
 Yvonne A. Rancourt
 Albert V. Regan
 Annie M. Robinson
 Mary T. Roche
 Henry T. Rooney
 Emma V. Scanlon
 Monica A. Sharples
 Harry J. Stocks
 Howard M. VanBuskirk
 Olive L. VanBuskirk
 Susie C. Waite
 Ruth M. Woodhead
 Catherine A. Wrinn

John K. Tarbox School Graduates.

Gussie Altman
 Isadore Altman
 Wesley J. Beck
 Albert Bernard
 John C. Blessington
 Lillian M. Brouder
 Louise F. Bushold
 Ellen C. Callahan
 Harold J. Curtin
 Oscar Dietrich
 Grace A. Dolan
 Mary R. Donahue
 John F. Dowd
 Eugene F. Fenton
 Mary B. Fingleton
 Augusta R. Frank
 Fred Hainsworth
 John Halloran
 Henry M. Hart
 Brigg Hey
 Lawrence C. Holdsworth
 Edward M. Howard
 John M. Johnson
 Joseph Jordan
 William Kerton
 Edna M. King
 Thomas A. Kelley
 Edward Knorr
 George Leavitt

Thomas J. Loye
 Thomas B. Lavery
 Edith A. Macartney
 John H. Macartney
 Thomas Maloney
 Isadore Mandelbaum
 Clara V. Manning
 Esther V. Matthews
 Andrew J. McGowan
 Fanny Michalovich
 Ethel Morgan
 Arthur Morin
 Helen I. Murphy
 Edgar Northam
 Mary E. O'Brien
 William V. O'Sullivan
 Walter Pearson
 Joseph Rau
 Joseph Ravich
 Jennie Robinson
 John Robinson
 John P. Sheehan
 Francis A. Sheridan
 Clifford H. Smith
 Maurice Sundell
 Madeline G. Tardie
 Jennie A. Taylor
 John H. Wadsworth

Gilbert E. Hood School Graduates.

Pauline L. Adams
Winifred W. Barry
Martha G. Bennert
Winifred Birch
George C. Blackwell
Anna M. Burns
Monica A. Burns
Harold S. Burton
Helen A. Byrne
Anna L. Collins
William J. Cross
George A. Cummings
William A. de Mars
William A. Dempsey
Katherine V. Devlin
Ethel M. Dickie
Howard I. Dolan
John C. Doyle
Andrew Dunn
Harold W. Eastman
Frank Fiedler
Ethel A. Flohr
Lillian G. Frisch
Joseph L. Frost
Helen I. Glaenzel
Alfred Graichen
Verna M. Graichen
Albert J. Hally
Robert F. Hancock
Ruth W. Hayes
Frederick A. Higgins
Robert C. Hillner
Frederick W. Holmes
Mildred C. Hutton
Harold I. Kellett
Frank J. Kenney
Edwin H. Koehler
Arthur F. Lewis
Nellie G. Lewis

Dorice M. Lord
George W. Marsden
Leo A. Marshall
Arthur H. Martin
Frank Meier
Terence E. Melvin
Lillian G. Metzner
Mildred E. Metzner
Rose A. Miller
Thomas M. Muldoon
William X. Mosson
Joseph L. Noonan
Thomas R. Powers
Lillian Priestley
Edwin C. Rausch
Lillian L. Reifel
Irma G. Roesner
Kathryn M. Ryan
Oswald R. Scherig
Elsie M. Schirner
Herman A. Schneider
Gertrude I. Smith
Dora H. Stiegler
Ella R. Stebbins
Harold Stoehrer
Gladys M. Sykes
Frederick E. Teichert
Lillian Teichmann
Ruth S. Tewksbury
Anna A. Tschauder
Emma Vogel
Isabel E. Walker
Arthur J. Wheeler
Frank Weisman
Mildred I. Williams
Raymond V. Wood
Helen L. Wuest
Emma L. Young

AWARD OF PRIZES.

The Hood prizes for general excellence in scholarship and deportment during the four years' course in the High School were awarded to Josephine M. Barlow and Susan G. Driscoll.

The Willard B. Perkins' prizes for the encouragement of English composition in the High School were awarded to the following competitors:—

Class of 1910—John McKone, Josephine Barlow.

Class of 1911—Samuel Furneaux, Isabel Tobin.

Class of 1912—Wordlow Sloat, Ruth Brackett.

Class of 1913—John Maginnis, Doris Arel.

CHANGES IN TEACHING CORPS, 1910.

Teachers elected in 1910.

School	Teacher	Began Service	Salary
High	Helen C. Owens	April 3	\$600
High	Elizabeth Burns	Sept. 4	700
Bruce	Mary E. Weiss	Sept. 4	700
Packard	Elizabeth Hutchins	Sept. 4	450
Packard	Florence M. Hall	Sept. 4	500
Tarbox	Elizabeth Ollis	March 13	450
Union	Carolyn Donovan	Feb. 1	450
Arlington	Elizabeth Moss	Sept. 4	450
Prospect	Gertrude F. Hartwell	Oct. 9	450
Prospect	Mary G. Conway	Sept. 4	450
Storror	Maybell Mowat	Oct. 11	600
Harrington	Alice Eastham	Oct. 2	450
Harrington	Ethel Neal	Oct. 2	500
Amesbury	Mona Shea	Sept. 4	450
Hampshire	Katherine Callahan	Oct. 15	450
Cross	Mary P. O'Sullivan	Feb. 1	450
Franklin	Frances Finegan	Sept. 11	450
Washington	Ruth M. Daniels	March 6	450
Washington	Mary M. Quealy	Sept. 4	500
Oak	Jemima Prescott	Sept. 4	450
Oak	Anna F. Churchill Principal	Oct. 2	850
Special	Gertrude L. O'Connell, Principal	Oct. 2	850
Special	Katherine L. Moynihan	Sept. 4	500
Special	Elizabeth R. Sweeney	Sept. 4	500
Special	Margaret S. Logan	Feb. 6	450

TRANSFER OF TEACHERS—1910.

Teachers.	From	To
Margaret S. Logan	Special	Bruce
Elizabeth Collins	Storror	Oliver
Mary G. Griffin	Park	Oak
Mary G. Conway	Prospect	Rollins
Katherine L. Moynihan	Special	Tarbox
Ruth M. Daniels	Washington	Storror
Anna F. Churchill	Harrington	Oak
Gertrude L. O'Connell..	Harrington	Special
Katherine Regan	Amesbury	Storror
Katherine Singleton ..	Special	Hampshire
Katherine Sidley	Rollins	Warren
Katharyn M. Mahoney.	Cross	Arlington
Mary J. Conway	Tarbox	Washington

LEAVE OF ABSENCE OF TEACHERS, 1910.

School.	Teacher.	From	To
Oliver.....	Frances M. Brainerd	Sept. 1910	June, 1911
Oliver.....	Caroline S. Brady	Sept. 1910	June, 1911
Rollins.....	Emma M. Ramsay	Sept. 1910	June, 1911
Rollins.....	Leonora Knapton	Feb. 1910	June, 1911
Rollins.....	Ella M. Eastman	Feb. 1910	June, 1911
Storror.....	Alice L. Trott	Sept. 1910	June, 1911
Arlington.....	Grace F. Conway	Sept. 1910	June, 1911
Hampshire.....	Josephine L. Chase	Sept. 1910	June, 1911
Essex.....	Florence E. Griffin	Oct. 1910	June, 1911

SCHOOL CENSUS—SEPTEMBER, 1910.

	1910	1909	1908	1907	1906
Ward 1.....	2469	2318	2023	2392	2206
Ward 2.....	1591	1607	1573	1606	1486
Ward 3.....	2073	1992	1940	2197	2169
Ward 4.....	1526	1744	2090	2038	1939
Ward 5.....	3136	2967	2864	2573	2682
Ward 6.....	2705	2612	2249	2394	2359
Totals,	13,500	13,240	12,739	13,200	12,841

Increase for 1910 over 1909—260.

Increase for 1910 over 1906—659.

WORK OF TRUANT OFFICERS.

1910.	No. of schools visited.	No. of absences reported by teachers.	No. of absences without permis- sion of parents.	No. of second offences.	No. of third offences.	No. of parents or guardians notified.	No. returned to school from the street.	No. of arrests	No. of prosecu- tions.	Instances of tardiness in- vestigated.
January	445	260	14	0	0	282	13	0	0	20
February	524	375	7	5	0	359	21	0	0	18
March	557	524	7	3	3	497	26	2	2	19
April	564	519	16	5	5	497	22	1	1	18
May	450	347	10	8	5	341	28	0	0	14
June	496	313	14	4	4	305	17	4	4	16
September	494	415	26	5	2	402	28	1	1	14
October	654	479	13	5	7	409	35	4	4	18
November	436	283	6	2	1	281	16	1	1	14
December	762	362	10	6	1	362	23	2	2	19
Totals	5382	3877	123	43	28	3809	229	15	15	170

Result of Prosecutions.

Placed on Probation	8
Committed to Training School	7

LABOR CERTIFICATES.

In the following tables will be found the number of labor certificates issued:—

Between 14 and 16 years of age.

1910. Certificates Issued	January	February	March	April	May	June	July	August	September	October	November	December	Total
	77	33	44	88	47	64	138	149	264	76	68	55	833

Showing a decrease for 1910 of 505.

Between 16 and 21 years of age.

1910.	January	February	March	April	May	June	July	August	September	October	November	December	Total
Literates	100	72	64	80	98	64	92	119	125	124	82	54	1074
Illiterates	48	27	41	60	61	31	38	60	38	38	16	18	476
Totals	148	99	105	140	159	95	130	179	163	162	98	72	1550

Decrease for 1910—2847.

CONTAGIOUS DISEASES REPORTED BY BOARD
OF HEALTH, 1910.

	January	February	March	April	May	June	September	October	November	December	Total
Diphtheria	17	12	10	13	16	7	12	15	8	10	120
Scarlet Fever	12	22	16	13	17	11	22	14	14	6	147
Measles	39	101	200	175	45	25	0	0	3	11	599
Small Pox	1	1	0	0	0	0	0	0	0	0	2
Totals	68	136	227	201	78	43	34	29	25	27	868

TEACHERS.

In Service December 31, 1910.

(The numerical letters designate the grade.)

HIGH SCHOOL.

Corner of Lawrence and Haverhill Streets.

Name and Residence.	Salary.	Began Service.
James D. Horne, Master, 7 Sheridan St.....	\$3,000	1894
Edward S. Riley, Sub-Master, 6 Forest St.	2,100	1892
Ada Lear, 82 Bradford St.,	1,200	1873
A. L. Fulkerson, Methuen	1,600	1895
Elizabeth O'Leary, 121 Haverhill St.	1,200	1896
Ernest C. Jewell, 463 Lowell St.	1,800	1897
Mariha D. Tracy, 5 Oak St.	1,000	1897
Alice B. Macdonald, 592 Haverhill St.	1,200	1896
Susana T. O'Connor, 19 Logan St.	1,000	1899
Bertha A. Merrill, 39 Abbott St.	1,200	1901
Katherine R. Regan, North Andover	1,000	1901
Edward F. Cregg, 193 Bailey St.	1,400	1902
C. F. Sullivan, 85 East Haverhill St.	1,100	1906
Bertha E. Abercrombie, 66 Warren St.	900	1906
Michael J. Mann, 110 Auburn St.	1,300	1904
Anna T. Mulholland, 393 Hampshire St.	1,000	1904
Harriet C. Lord, 86 Ames St.	1,000	1904
Noelia Dubrule, 57 Bradford St.	1,000	1904
John A. McGilvrey, 28 Orchard St.	1,200	1905
Mary A. Driscoll, 247 Salem St.	1,000	1906
Harriet Sleeper, 118 East Haverhill St.	1,000	1906
M. Elizabeth Carroll, 297 High St.	800	1908
Francis X. Hogan, 99 Farnham St.	900	1908
Helen G. Mank, 556 Haverhill St.	650	1909
Katheryn F. Ahern, 40 White St.	650	1909
Elizabeth A. Burns, 121 Haverhill St.	700	1910
Ethel D. Woodcock, 411 Broadway	650	1909
Helen C. Owens, 50 Vine St.	600	1910

OLIVER SCHOOL.

Haverhill Street (Opposite Lawrence Common.)

Grade.	Name and Residence.	Salary.	Began Service.
	Laurence J. O'Leary, Master, 19 Swan St.	\$2,000	1901
VIII.	Katherine M. Kenney, 379 Park St.	800	1881
VIII.	Margaretta T. O'Sullivan, 137 Lawrence St.	750	1881
VIII.	*Frances M. Brainerd, 57 Kendall St.	550	1905

*Leave of Absence.

VII.	Emily V. Brooks, 12 Berkeley St.	750	1895
VI.	Ella F. Arthur, 305 Lowell St.	750	1898
VI.	May I. Lawlor, 100 Bennington St.	650	1902
VI.	Mary E. Geraghty, 42 Summer St.	650	1902
VII.	Maria T. Cogger, 265 Haverhill St.	750	1899
V.	M. Josephine Nichols, 47 Avon St.	650	1904
VI.	Mary A. O'Sullivan, 164 Salem St.	650	1905
VII.	Mary A. Herlihy, 19 Currier St.	650	1905
V.	Susan B. Frost, 264 Jackson St.	650	1906
V.	Mary C. McGowan, 14 Berkeley St.	550	1907
IV.	Margaret L. Sullivan, 155 Saratoga St.	550	1907
IV.	Helen S. McGregor, 37 Lake St.	600	1906
VI.	Rosa H. Moeckel, 20 Rhine St.	550	1908
IV.	Edna M. McGowan, 14 Berkeley St.	500	1909

ALEXANDER B. BRUCE SCHOOL.

Ames Street (Between Oliver and Byron Avenues.)

Grade.	Name and Residence,	Salary.	Began Service.
	Wendell P. Brown, Master, 51 Smith St.	\$2,100	1895
VIII.	Sarah A. Barlow, 48 Washington St.	800	1887
VIII.	Camelia A. Howe, Methuen	750	1896
VII.	Mabel F. Noyes, Methuen	750	1890
VII.	Ida L. Freeman, 503 Haverhill St.	750	1893
VII.	Minnie A. Brown, Auburn St.	750	1895
VI.	Emma Stewart, 586 Haverhill St.	750	1895
VI.	Manora A. Bradford, 3 Park St.	750	1896
V.	Helen M. Sawyer, 51 Railroad St.	650	1905
V.	Elizabeth Hendry, 17 Essex Ave.	500	1909
VI.	Elizabeth Entwistle, 3 Caulkins Ct.	750	1897
V.	Gertrude E. Fox, 18 Washington St.	650	1905
V.	Bertha L. Morse, 194 Broadway	650	1905
V.	Jennie M. Kerr, 10 Forest St.	650	1905
I.	Edna V. Haigh, 57 Butler St.	500	1908
II.	Rose M. McCabe, 18 Byron Ave.	500	1909
V.	Margaret Logan, 8 Hillside Ave.	450	1910

PACKARD SCHOOL.

Parker Street (Between Abbott and Bailey Streets.)

Grade.	Name and Residence.	Salary.	Began Service.
	John J. Mahoney, Master, 16 Logan St.	\$2,000	1903
VIII.	Jennie A. McManus, 29 So. Broadway	800	1894
VIII.	Jessie E. Simpson, 92 Salem St.	750	1895
VI.	Catherine G. O'Leary, 242 Salem St.	750	1895
VII.	Anna H. Desmond, 15 Springfield St.	750	1895
VII.	Ellen M. O'Connell, 166 Bailey St.	600	1906
V.	Evelyn P. Hutchins, 44 Butler St.	450	1910
VI.	Mary E. Harrington, 110 Newton St.	650	1902
IV.	Edith L. Whittemore, 5 Springfield St.	650	1902
VI.	M. Elizabeth Church, 42 Salem St.	650	1903

VII.	Julia N. Collins, 263 So. Broadway	650	1905
V.	Emily G. Burke, 210 Bailey St.	500	1909
III.	Helen F. Gainey, 1 Kingston St.	750	1900
III.	Emma L. Woodcock, 165 South Broadway	500	1909
III.	M. Eva Russell, 29 Dorchester St.	750	1899
V.	Edna Stratton, 59 Garfield St.	650	1902
IV.	Louise M. O'Connell, 59 Osgood St.	650	1905
V.	Julia T. Lenane, 65 Exeter St.	550	1907
Asst.	Margaret G. Scanlon, 347 Salem St.	750	1884
IV.	Florence E. Hall, 394 So. Union St.	500	1910

JOHN R. ROLLINS SCHOOL.

Howard Street (Corner of Platt.)

Grade.	Name and Residence.	Salary.	Began Service.
	Hector L. Belisle, Master, 23 Quincy St.	\$2,100	1896
VIII.	Maria Smith, 11 Berkeley St.	800	1891
VIII.	Mary Eastham, 33 Woodland St.	750	1888
VII.	Emma J. Baker, 22 Belmont St.	750	1889
VII.	*Emma M. Ramsay, 16 Graichen errace	650	1903
V.	Lena A. Nolan, Andover	750	1898
VII.	Catherine L. Fitzpatrick, 283 High St.	750	1894
VI.	Ellen C. Greene, 5 Haverhill St.	750	1895
VI.	Isabel F. Robbins, 78 East Haverhill St.	750	1896
VI.	Grace Wadsworth, 5 Quincy St.	750	1896
V.	Nellie J. Finegan, North Andover	500	1908
V.	Eleanor C. O'Connor, 19 Logan St.	650	1903
IV.	A. Gertrude Fox, 7 Woodland St.	500	1908
Asst.	Mary G. Conway, 110 Garden St.	450	1910

JOHN K. TARBOX SCHOOL.

Alder Street (Corner of Walnut.)

Grade.	Name and Residence.	Salary.	Began Service.
	Dennis E. Callahan, Master, 21 Belmont St.	\$1,800	1902
VIII.	Margaret M. O'Neil, 147 Franklin St.	800	1895
VIII.	Katherine A. Hynes, Methuen	750	1897
VI.	Teresa M. Twomey, 190 Park St.	750	1899
VI.	Katherine L. Moynihan, Andover	500	1910
V.	Margaret A. Brouder, 139 Arlington St.	750	1898
VI.	Nellie M. Reardon, 44 Manchester St.	750	1899
V.	Mary F. Deacy, 51 Fern St.	750	1900
V.	Laura A. D. Lord, 64 Newbury St.	650	1902
VI.	Josephine M. McQuade, 142 Saratoga St.	650	1903
V.	Annie Daley, 214 Chestnut St.	500	1909

*Leave of absence.

EMILY G. WETHERBEE SCHOOL.

Newton Street.

Grade.	Name and Residence.	Salary.	Began Service.
	John F. Higgins, Master, 2 Winthrop Ave.	\$2,100	1901
VIII.	Mary F. Collins, 9 Winthrop Ave.	800	1893
VIII.	Lauretta M. McCabe, 17 Margin St.	750	1899
VI.	Nora R. O'Neil, 320 Ames St.	750	1897
VII.	Ellen T. Holland, 15 Brookfield St.	750	1900
VII.	Katherine M. Nolan, Andover	750	1898
V.	Mary F. Hines, 8 Winthrop Ave.	650	1902
V.	Elizabeth F. Donovan, 3 Temple St.	650	1903
IV.	Ella M. Hayes, 9 Warren St.	650	1905
IV.	Margaret T. Donovan, 94 Bradford St.	600	1906
VI.	Gertrude F. Curtis, 320 Ames St.	650	1907
Asst.	Alice B. O'Connell, 59 Osgood St.	500	1909

GILBERT E. HOOD SCHOOL.

(Lawrence Practice School.)

Park and Bruce Street.

Grade.	Name and Residence.	Salary.	Began Service.
	Mabel M. Mullen, Acting Master, 11 East Haverhill St.	\$1,000	1900
	Ella F. Eastman, Critic Teacher, 54 Berkeley St.	1,100	1880
	Annie L. O'Connor, Critic Teacher, 10 Whitman St.	1,100	1893
	Emma J. Greenwood, Critic Teacher, 184 Jackson St.	1,100	1896
VIII.	Nellie S. Winchester, 31 East Haverhill St.	850	1894
VII.	H. Frances McDonald, North Andover	850	1896
VIII.	Mary A. Mahoney, North Andover	850	1893
VII.	Grace L. Conlin, 10 Albion St.	750	1901
VI.	Laura K. Prescott, 690 Haverhill St.	750	1901
V.	E. Mabel Andrews, 5 Kendrick St.	850	1895
IV.	Ellen C. Tobin, 480 Haverhill St.	850	1898
III.	Ethel C. Ramsey, 293 Jackson St.	850	1898
I	Ada B. Locke, 177 Ferry St.	700	1905
Asst.	Agnes M. Finegan, North Andover	650	1905
Asst.	Jean U. Jeffrey, 43 Holly St.	500	1908

DANIEL SAUNDERS SCHOOL.

South Broadway (Near Andover Street.)

Grade.	Name and Residence.	Salary.	Began Service.
	Julia P. Tompkins, Principal, 41 South St.	\$850	1866
IV.	Carrie J. Pingree, 259 Andover St.	750	1881

III.	Molly B. Marsh, 334 Andover St.	750	1895
III.	Mary H. Callahan, 69 Exeter St.	750	1896
II.	Jennie M. Quealy, 379 Haverhill St.	750	1899
II.	Margaret G. O'Brien, 23 Cross St.	750	1898
I.	Josephine A. Kelley, 6 Winthrop Ave.	750	1893
I.	Nellie S. Stackpole, 66 Abbott St.	750	1893
II.	Z. Alice McKenney, 245 Andover St.	750	1900
Asst.	Mary A. Wholey, 8 Kingston St.	500	1908

UNION STREET SCHOOL.

Andover Street (Corner South Union Street.)

Began

Grade.	Name and Residence.	Salary.	Service.
II.	Mary A. Kehoe, Principal, 8 Tremont St.	\$825	1882
II.	Sarah E. Webster, 318 Andover St.	750	1881
II.	Maud Vatter, 22 Albion St.	750	1891
I.	Grace V. Desmond, 15 Springfield St.	650	1902
I.	Ella M. Churchill, 11 Cedar St.	750	1899
I.	Margie C. Connor, 30 Osgood St.	750	1899
Asst.	Margaret E. Tierney, 45 Salem St.	650	1905
Asst.	Lillian B. Haverty, 279 So. Broadway	650	1905
Asst.	Carolyn G. Donovan, 78 Salem St.	450	1910

ARLINGTON SCHOOL.

Tenney Street

Began

Grade.	Name and Residence.	Salary.	Service.
	Bridget A. Halley, Principal, 46 Avon St.	\$850	1887
IV.	Letitia Wilcox, North Andover,	750	1896
III.	Helen M. Bean, 54 Holly St.	750	1862
II.	*Grace F. Conway, 1 Tremont St.	750	1889
III.	Katherine W. Murray, 16 Highland St.	750	1898
II.	Mary M. Butler, 93 Bradford St.	750	1899
I.	Ellen M. Murphy, 128 Franklin St.	650	1904
I.	Jessie R. Brown, Auburn St.	650	1901
Asst.	Elsie Eastham, 13 Whitman St.	600	1906

*Leave of Absence.

PARK STREET SCHOOL.

Park Street (Between Lexington and Trenton Streets.)

Began

Grade.	Name and Residence.	Salary.	Service.
IV.	Georgia Patterson, Principal, 211 Bruce St.	\$850	1877

IV.	Elizabeth J. Callahan, 1 Albion St.	750	1883
	Mary E. Corkhill, 244 Park St.	650	1901
III.	Mary L. Scanlon, 10 Lexington St.	650	1904
II.	Florence L. Abbott, 50 Thorndike St.	750	1895
II.	Agnes A. Ashe, Methuen	750	1898
II.	Helen S. Chubb, 149 Berkeley St.	750	1891
I.	Margaret M. Griffin, 19 Durant St.	650	1902
Asst.	Margaret G. Kennedy, 49 Willow St.	750	1897

PROSPECT STREET SCHOOL.

East Haverhill Street (Corner of Prospect Street).

Grade.	Name and Address.	Salary.	Began Service.
III.	Fanny H. Stratton, Principal, 126 East Haverhill St.	\$800	1876
I.	Martha J. Sargent, 168 East Haverhill St.	750	1888
I.	Elizabeth H. Stannard, 118 East Haverhill St. ..	750	1885
II.	Nora G. Cullinane, 17 Currier St.	650	1903
Asst.	Anna M. O'Connell, 64 East Haverhill St.	550	1907
Asst.	Gertrude F. Hartwell, 167 Abbott	450	1910

STORROW SCHOOL.

Storrow Street (Near Storrow Park).

Grade.	Name and Residence.	Salary.	Began Service.
V.	Hattie B. Collins, Principal, 110 East Haverhill St.	\$825	1876
IV.	Alice L. Trott, Howard St.	750	1891
III.	Margaret W. Mowat, 76 East Haverhill St.	750	1897
Asst.	Annie M. Fisher, 115 Newbury St.	650	1903
II.	Elizabeth J. Hartwig, 154 Newbury St.	650	1905
IV.	Helen Campbell, 19 Howard St.	650	1906
Asst.	Mary L. Greene, 5 Haverhill St.	600	1906
Asst.	Katherine A. Regan, 32 Storrow St.	600	1906
Asst.	Rose M. Maguire, 3 Elm St.	500	1909
Asst.	Ruth M. Daniels, 44 Summer St.	450	1910
Asst.	Maybelle Mowat, 76 East Haverhill St.	450	1910

WALTON SCHOOL.

Methuen Street (Corner of Newbury Street).

Grade.	Name and Address.	Salary.	Began Service.
II.	Mary J. Shinnick, Principal, 44 Osgood St.	\$800	1897
II.	Nellie L. Stoddard, 86 Jackson St.	750	1877
I.	Bessie G. Gainey, 1 Kingston St.	650	1901
I.	Hannah T. Curtin, 2 Daisy St.	650	1903

Asst. Anastasia G. O'Brien, 53 Bennington St.	650	1903
Asst. Mabel J. Connor, 52 Montgomery St.	500	1908
Asst. Katherine B. Driscoll, 80 Kingston St.	500	1909

NEWBURY STREET SCHOOL.

Corner Newbury Street and Newbury Place.

Grade.	Name and Address.	Salary.	Began Service.
IV.	Ellen L. Toye, Principal, 240 Andover St.	\$800	1882
IV.	Vesta E. Shackford, 61 Newbury St.	750	1883
III.	Enah I. Orff, 190 Bailey St.	650	1903
III.	Alice E. Gill, 48 Vine	750	1897
Asst.	Grace Sampson, 73 Myrtle St.	500	1908

HARRINGTON SCHOL.

Newbury Street (Corner Elm Street.

Grade.	Name and Address.	Salary.	Began Service.
III.	Leslie Dana, Principal, 7 East Haverhill St.	\$800	1876
II.	Florence D. Hall, 100 Saunders St.	750	1884
II.	Margaret E. Loftus, 114 East Haverhill St.	750	1893
I.	Alicia T. Quealy, 379 Haverhill St.	750	1896
Asst.	Annie F. Driscoll, 80 Kingston St.	500	1909
Asst.	Katheryn M. Sullivan, 155 Saratoga St.	500	1909
Asst.	Alice Eastham, 13 Whitman St.	450	1910
Asst.	Ethel Neal, 164 West St.	500	1910

AMESBURY STREET SCHOOL.

Amesbury Street (Corner Lowell Street).

Grade.	Name and Address.	Salary.	Began Service.
II.	Mary E. Leary, Principal, 203 Haverhill St.	\$800	1888
II.	Genevieve M. Tierney, 21 Tremont St.	750	1895
I.	Mary G. Brogan, 20 Avon St.	750	1897
I.	Katherine A. Twomey, 180 Park St.	650	1903
I.	Alicia T. Kuealy, 379 Haverhill St.	650	1905
Asst.	Mary Maloney, 53 Holly St.	500	1909
Asst.	Bessie Knapton, 24 Yale St.	500	1909
Asst.	Mona Shea, 35 Bevel St.	450	1910

HAMPSHIRE STREET SCHOOL.

Junction of Hampshire and Pine Streets.

Grade.	Name and Address.	Salary.	Began Service.
V.	Emma F. Hutchinson, Principal, 126 Franklin St.	\$800	1881

IV.	Josephine L. Chase, 13 Morton St.	750	1882
III.	Anna C. Lane, 91 Bennington St.	750	1895
III.	Helen G. Kennedy, 23 Wilmot St.	750	1896
Asst.	Nettie Murray, 334 Ames St.	650	1905
Asst.	Katherine F. Callahan, 112 Newton St.	450	1910

CROSS STREET SCHOOL.

Between Franklin and Cross Streets.

Grade.	Name and Address.	Salary.	Began Service.
V.	Margaret S. Brown, Principal, 181 Jackson St. ..	\$800	1899
V.	K. Agnes Donovan, 50 Bradford St.	650	1902
IV.	Mattie M. Hatch, 19 Wyman St.	750	1892
IV.	Ellen G. Dunn, 83 Cross St.	750	1894
Asst.	Mary P. O'Sullivan, 139 Franklin St.	450	1910

FRANKLIN SCHOOL.

Franklin Street (Corner of Lowell Street).

Grade.	Name and Address	Salary.	Began Service.
III.	Caroline G. Donovan, Principal, 56 Bradford St.	\$800	1894
II.	Edith M. Messer, 579 Haverhill St.	750	1887
I.	Margaret L. Shanahan, 60 Avon St.	750	1896
I.	Mary E. Clifford, 355 Haverhill St.	650	1905
Asst.	Ina P. Washburn, 234 Broadway	600	1906
Asst.	Eva O'Sullivan, 29 Tremont St.	500	1909
Asst.	Frances T. Finegan, No. Andover	450	1910

ESSEX SCHOOL.

Head of Essex Street.

Grade.	Name and Address.	Salary.	Began Service.
	Annie M. Kennedy, Principal, 394 Ames St.	\$900	1900
IV.	Bertha E. Holtham, 67 Bodwell St.	650	1905
IV.	Daisy E. Stevens, 98 Auburn St.	650	1902
III.	*Florence E. Griffin, 56 Bradford St.	700	1878
IV.	Emma F. Churchill, 11 Cedar St.	650	1904
IV.	Lillian Holtham, 67 Bodwell St.	650	1903
III.	Eleanor F. Sullivan, 8 Reservoir Terrace	750	1900
III.	Mary G. McCabe, 18 Byron Ave.	650	1905
III.	Elizabeth C. Miles, 20 Pearl St.	600	1906
Asst.	Alice O'Leary, 426 Lowell St.	600	1906

WARREN STREET SCHOOL.

Warren Street (Near Essex Street).

Grade.	Name and Address.	Salary.	Began Service.
III.	I. Mae Magoon, 26 Butler St.	\$650	1903
II.	Maude Gorman, 6 Royal St.	650	1903
I.	Lydia H. Mahoney, 165 Margin St.	650	1901
I.	Katherine E. Sidley, 93 Bodwell St.	500	1909

LOWELL STREET SCHOOL.

Warren Street (Corner Lowell Street).

Grade.	Name and Address.	Salary.	Began Service.
II.	Mary A. Dame, Principal, 614 Haverhill St.	\$800	1873
II.	Anne S. Lane, 121 Butler St.	750	1880
I.	Cora A. Miles, 20 Pearl St.	650	1902
I.	Anna J. Murray, 39 Warren St.	750	1895

RIVERSIDE SCHOOL.

School Street (Corner Doyle Street).

Grade.	Name and Address.	Salary.	Began Service.
II.	Florence Smith, Principal, 555 Haverhill St.	\$800	1885
II.	Grace E. Kingston, 58 Bellevue St.	750	1894
I.	Ellen L. McCartin, 50 Warren St.	650	1901
I.	Elsie R. Houston, 216 Broadway	650	1901

WASHINGTON SCHOOL.

Manchester Street (Corner Washington Street).

Grade.	Name and Address.	Salary.	Began Service.
III.	Elizabeth F. Devlin, Principal, 70 Cross St.	\$825	1886
III.	Elizabeth S. McGregor, 98 Berkeley St.	750	1899

*Leave of Absence.

II.	Lizzie M. Crabtree, 97 Greenwood St.	750	1892
II.	Sara A. White, 48 Holly St.	750	1897
I.	Alice V. Fitzgerald, 213 Carleton St.	750	1900
I.	Mabel J. Cheney, North Andover	750	1894
Asst.	Josephine E. Lawlor, 100 Bennington St.	650	1905
Asst.	Mary M. Quealy, No. Andover	500	1910
Asst.	Mary J. Conway, 264 Chestnut St.	650	1905

OAK STREET SCHOOL.

Oak Street (Rear of Oliver School).

Grade.	Name and Address.	Salary.	Began Service.
	Anna F. Churchill, Principal, 16 Graichen Terrace,	\$825	1902
III.	Agnes E. English, 53 Holly St.	650	1903
I.	Alice T. Keefe, North Andover	750	1900
I.	Rachael H. Stannard, 118 E. Haverhill St.	650	1901
Asst.	Elizabeth Lawlor, 100 Bennington St.	650	1903
III.	Marie McDonnell, 83 Lexington St.	600	1906
Asst.	Margaret G. Mahoney, 7 Acton St.	600	1906
Asst.	Lesley Willan, 105 Greenwood St.	500	1909
Asst.	Jemima Prescott, 690 Haverhill St.	450	1910

SPECIAL SCHOOL FOR NON-ENGLISH SPEAKING PUPILS.

Old High School Building, Haverhill Street.

Name and Address.	Salary.	Began Service.
Gertrude L. O'Connell, Principal, 59 Osgood St.	\$825	1903
Anna A. Murphy, 89 Bromfield St.	500	1905
Gertrude V. O'Sullivan, 164 Salem St.	500	1903
Mary G. Ferrin, 81 Lawrence St.	500	1908
Louise A. Bishop, 40 Phillips St.	500	1903
Anna A. Gens, 91 Park St.	500	1908
Grace M. Coveney, 411 Andover St.	500	1909
Elizabeth R. Sweeney, Andover	500	1910

DIRECTORS OF MUSIC.

Name and Address.	Salary.	Began Service.
W. W. Keays, Melrose,	\$650	1875
Mary E. Mahoney, 182 Hampshire St.	1,100	1899
Aloyse Mahoney, 182 Hampshire St.	600	1910

DIRECTORS OF DRAWING.

Name and Address.	Salary.	Began Service.
A. W. Scribner, 10 Pearl St.	\$1,700	1891
Annie T. McCarthy, 347 Haverhill St.	1,000	1902
Mary E. Looney, 21 Belmont St.	600	1910

PRIMARY SUPERVISOR AND DIRECTOR OF PRACTICE.

Lelia M. Lamprey, 16 Quincy St.\$1,900	1883
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TEACHERS OF SEWING.

Name and Address.	Salary.	Began Service.
Etta S. Newton, 41 Vine St.	\$750	1886
Gertrude M. Joyce, 34 Berkeley St.	750	1886
Eleanor E. Quealy, 379 Haverhill St.	650	1901
Mary Doyle, 32 Willow St.	550	1907
Grace E. Holden, 61 Cambridge St.	500	1908

EVENING SCHOOL TEACHERS.

JOHN J. MAHONEY. *Supervisor.*

HIGH SCHOOL.

DANIEL J. ARUNDEL, *Principal.*

Edward S. Riley
Edward P. Morton
Mary A. Bailey
Arthur McCormick
Anna Mulholland
Laura Farnham
Charles Hanrahan
Michael S. O'Brien
Dennis E. Callahan
Grace L. Conlin
Emily Brooks
Margaretta T. O'Sullivan

Jeremiah Herlihy
C. J. Sullivan
Ida Ryan
Edward McAnally
Daniel Norton
William J. Hughes
Walter T. Rochfort
Maurice McLaughlin
John Mulholland
Helen Sawyer
M. Elizabeth Carroll

Drawing.

A. W. Scribner

A. L. Fulkerson

Henry Rogers

OLIVER SCHOOL.

JOHN C. SANBORN, *Principal.*

HUGH McCONNOR, *Assistant Principal.*

WILLIAM J. DELANEY, *Assistant Principal.*

GEORGE McLANE, *Assistant Principal.*

May Lawlor
Elizabeth A. Reid
Kathryn A. Twomey
Arthur A. Auger
Frances Shinnick
Angelo Perez
Mary McSweeney
Gertrude Hanrahan

Alice O'Leary
Margaret Griffin
Kathryne Mahoney
Josephine McQuade
Mary L. Scanlon
Grace Desmond
Agnes Donovan
Grace M. Hanrahan

ESSEX SCHOOL.

ELIZABETH C. MILES, Assistant in-charge.

Cora A. Miles

Elizabeth Hendry

Gertrude Fox

PACKARD SCHOOL.

LUKE J. DEVANEY, Principal.

T. H. Vincent

Frances Donovan

TRUANT OFFICERS.

James R. McGowan, 14 Berkeley St.

Edwin J. Cate, 142 Howard St.

SUPERINTENDENT'S CLERK.

Ida Ryan, 3 Concord St.

CLERK IN THE OFFICE OF THE HIGH SCHOOL.

Margaret G. Buckley, 23 Clinton St.

SCHOOL JANITORS—DECEMBER, 1910.

School.	Name.	Residence.
High and Manual Training	Andrew Dunn	21 Buswell St.
	Patrick Fitzpatrick	38 Trenton St.
	Michael McCarthy	55 Osgood St.
Hood and Prospect St.	John Dolan	34 Currier St.
	Martin Egan	6 Lexington St.
	Michael J. Clark	82 Haverhill St.
Oliver	William S. Ford	533 Lowell St.
Bruce	Waldo H. Lesure	5 Home St.
Rollins	William A. Summers	570 Haverhill St.
Tarbox	Daniel J. Donovan	274 Salem St.
Wetherbee	John Scannell	7 Chester St.
Packard		
Saunders and Saunders Annex	M. F. Donovan	446 Andover St.
Essex and Riverside	R. G. Newton	9 Merrimack View
Washington and Arlington	Michael J. Hayes	22 Broadway Ave.
Lowell St. and Warren Union St.	William Butler	32 Warren St.
Amesbury St. and Oak St.	Thos. J. McLaughlin	52 Cambridge St.
Hampshire St. and Park St.	Martin Redmond	277 Elm St.
	Michael P. Higgins	16 Berkeley St.
Harrington and Newbury St.	John W. Carroll	290 Jackson St.
Walton and Storrow	Patrick Moran	125 Essex St.
Special School	Daniel J. O'Sullivan	116 Park St.

SCHOOL CALENDAR.

1910—1911.

School year commences on the Wednesday following Labor Day.

Length of school year, forty weeks.

Vacations.

From December 23 to January 2.

From February 24 to March 6.

From April 28 to May 8.

Length of Sessions

In Elementary Schools

From 8.30 A. M. to 11.15 A. M.

From 1.45 P. M. to 3.45 P. M.

In the High School

From 8.15 A. M. to 1.00 P. M.

Holidays.

New Year's Day, Washington's Birthday, Good Friday, Patriot's Day, Memorial Day, Columbus Day, Thanksgiving Day and the Friday following.

Evening Schools.

Term begins the first Monday in October.

Length of Term.

Elementary Schools, twenty weeks.

Three evenings each week.

High School, and

High School Preparatory, twenty-four weeks.

Three evenings each week.

SCHOOL COMMITTEE FOR 1911.

REGULAR MEETINGS LAST THURSDAY IN EACH MONTH.

HON. JOHN T. CAHILL, MAYOR,	<i>Chairman ex-officio</i>
MAURICE J. MAHONEY,	<i>Vice Chairman</i>
BERNARD M. SHERIDAN, Tel. 100.	<i>Secretary of the Board</i>

MEMBERS.

		Term Exp.
Ward 1.	HUGO BEIL., 151 East Haverhill Street.	1911
	LEWIS H. SCHWARTZ, Tel. 1617, 11 Montgomery Street.	1911
Ward 2.	WILBUR E. ROWELL, Tel. 33, 96 Saunders Street.	1911
	CLINTON O. ANDREWS, Tel. 82, 5 Kendrick Street.	1911
Ward 3.	MICHAEL A. LANDERS, 15 Walnut street.	1913
	JOHN P. O'BRIEN, Tel. 1833, 217 Walnut Street.	1913
Ward 4.	JOHN H. BANNON, M. D., Tel. 1049, 19 Green Street.	1913
	MAURICE J. MAHONEY, Tel. 268, 182 Hampshire Street.	1913
Ward 5.	WILLIAM HENDRY, 17 Essex Ave.	1912
	ROBERT F. PICKELS, Tel. 1135-4, 5 Warren Street.	1912
Ward 6.	JAMES W. McMANUS, Tel. 1778, 291 South Broadway.	1912
	WILLIAM E. TIERNEY, Tel. 228, 4 Kingston Street.	1912

STANDING COMMITTEES.

- ADVISORY AND AUDITING—Messrs. Beil, Mahoney and Rowell.
- EVENING SCHOOLS—Messrs. Andrews, Bannon, Beil, Hendry, McManus and O'Brien.
- GRAMMAR SCHOOLS—Messrs. Andrews, Hendry, Mahoney, O'Brien, Schwartz and Tierney.
- HIGH AND PRACTICE SCHOOLS—Messrs. Bannon, Beil, Landers, McManus, Pickels and Rowell.
- JANITORS, SCHOOLHOUSES AND SANITATION—Messrs. Bannon, Landers, Pickels, Rowell, Schwartz and Tierney.
- PRIVATE SCHOOLS—Messrs. Bannon, Landers, McManus, O'Brien and Schwartz.
- RULES—Messrs. Mahoney, McManus, Pickels and Rowell.
- SALARIES—Messrs. Andrews, Hendry, Landers and McManus.
- SCHOOL FOR NON-ENGLISH SPEAKING PUPILS—Messrs. Bannon, O'Brien, Pickels, Rowell, Schwartz and Tierney.
- SPECIAL SUBJECTS—Messrs. Andrews, Beil, Hendry, Landers, Mahoney and Tierney.
- TEXT-BOOKS AND SUPPLIES—Messrs. Andrews, Hendry, Mahoney, O'Brien, Schwartz and Tierney.
-

MIDDLE AND PRIMARY SCHOOLS.

- Prospect Street, John R. Rollins, Storrow and Walton Schools
—Messrs. Beil and Schwartz.
- Newbury Street, Harrington, Oak Street and Park Street
Schools—Messrs. Rowell and Andrews.
- Amesbury Street, Hampshire Street and John K. Tarbox
School—Messrs. Landers and O'Brien.
- Arlington, Franklin, Cross Street and Washington Schools—
Messrs. Bannon and Mahoney.
- Bruce, Essex, Lowell Street, Riverside and Warren Street
Schools—Messrs. Hendry and Pickels.
- Packard, Saunders, Union Street and Emily G. Wietherbee
Schools—Messrs. McManus and Tierney.

THIRTY-NINTH ANNUAL REPORT
OF THE
BOARD OF TRUSTEES
AND LIBRARIAN
OF THE
FREE PUBLIC LIBRARY
OF THE
CITY OF LAWRENCE, MASSACHUSETTS.

FOR THE YEAR ENDING DECEMBER 31, 1910.



LAWRENCE, MASS.
AMERICAN-SUN PRINT,
1910.

IN BOARD OF ALDERMEN,

May 1, 1911.

Accepted without reading

EDWARD J. WADE, *City Clerk*.

IN COMMON COUNCIL,

May 15, 1911.

Accepted in Concurrence

RICHARD J. SHEA, *Clerk*.

Board of Trustees for 1910

MEMBERS EX-OFFICIO.

HON. WILLIAM P. WHITE, Mayor.

EUGENE A. McCARTHY, JR., President of the Common Council.

TRUSTEES OF THE WHITE FUND.

HON. CHARLES U. BELL.

WILBUR E. ROWELL.

WALTER E. PARKER.

ELECTIVE MEMBERS.

EUGENE A. McCARTHY,

DANIEL F. O'BRIEN,

Terms expire December, 1910.

REV. JAMES T. O'REILLY,

O. S. A.

JOHN B. GRIFFIN,

Terms expire December, 1911.

DR. MICHAEL F. SULLIVAN,

DANIEL F. MINAHAN,

Terms expire December, 1912.

ORGANIZATION OF THE BOARD FOR 1910.

President, HON. WILLIAM P. WHITE.

Vice-President, HON. CHARLES U. BELL.

Treasurer, REV. JAMES T. O'REILLY, O. S. A.

Secretary, WILLIAM A. WALSH.

COMMITTEE ON ADMINISTRATION.

WILBUR E. ROWELL.

EUGENE A. McCARTHY.

COMMITTEE ON FINANCE.

HON. WILLIAM P. WHITE.

WALTER E. PARKER.

EUGENE A. McCARTHY, JR.

COMMITTEE ON LIBRARY.

HON. CHARLES U. BELL.

REV. JAMES T. O'REILLY, O. S. A. DR. MICHAEL F. SULLIVAN.

DANIEL J. MINAHAN.

COMMITTEE ON SOUTH LAWRENCE BRANCH LIBRARY.

DANIEL F. O'BRIEN.

JOHN B. GRIFFIN.

Library Service

LIBRARIAN.

WILLIAM A. WALSH.

ASSISTANT LIBRARIAN.

MARY F. PACKARD.

ASSISTANTS.

MARGARET T. SHEEHY. KATHERINE COYNE. HELEN M. O'BRIEN.

NELLIE F. WEBSTER. HONORA MURPHY. JULIA G. SHEA.

MALENA M. WHITHAM. ANGELA McDONNELL.

JANITOR.

GEORGE A. SMITH.

ASSISTANT JANITOR.

JOSEPH F. O'BRIEN.

Trustee's Report

TO THE HONORABLE CITY COUNCIL OF LAWRENCE.

GENTLEMEN:—

The Trustees of the Lawrence Public Library in compliance with the City Ordinance requiring an annual statement of receipts and expenditures and of the growth of the Library, have the honor to submit their thirty-ninth annual report for the year ending Dec. 31, 1910.

ACCESSIONS TO THE LIBRARY FOR THE YEAR ENDING DECEMBER 31, 1910.

By purchase	916 vols.
By gifts	124 vols.
By binding periodicals	257 vols.

Total accessions	1297 vols.
Pamphlets added to the Library	1120
Total number of volumes in Library, Jan. 1, 1911	62998

RECEIPTS AND EXPENDITURES DURING 1910.

City appropriation, 1910	12,000.00
Dog licenses	933.44
White fund	1,000.00
Interest on Pacific Library fund	200.00
Accounts overdrawn,	4,758.50
Receipts and fines	188.13
	\$19,080.16

EXPENDITURES—Main Library.

Books purchased	2,480.38
Subscriptions to periodicals	323.75
Binding periodicals and rebinding books .	1,392.50
Salaries	9,379.25
Rent	1,600.00
Lighting	1,016.49
Fuel	436.61
Telephone	33.57
Printing	184.78
Stationery	76.79
Catalogue cards, stamps and other library supplies	150.26
Furniture	177.85
Repairs	127.91
American Library Association member- ship and Library Art Club	11.00
Insurance	72.00

Teaming-North Side	28.73	
Other expenses, including street watering, ice, etc.	242.22	
		<hr/>
		\$17,734.09

SOUTH LAWRENCE BRANCH LIBRARY.

Salary of Librarian	626.00	
Rent and heating	424.96	
Lighting	32.26	
Care of rooms	120.00	
Insurance,	72.00	
Cartage of books	125.75	
Miscellaneous, including library supplies .	7.70	
		<hr/>
	1,346.07	
		\$19,080.16

Librarian's Report

TO THE BOARD OF TRUSTEES OF THE LAWRENCE PUBLIC LIBRARY.

GENTLEMEN:—

The thirty-ninth annual report of the Librarian, for the year ending December 31, 1910, is herewith respectfully submitted.

As usual, an overdraft appears this year, fortunately below that of the year previous. I want to again call your attention to a few items in the receipts of the Library; namely, the dog tax and the annual appropriation. There is not a member of the Board who is not cognizant of our annual appeal to the City Government for a much larger appropriation to properly carry out the work we know can be accomplished. At the annual meeting a year ago, a vote was passed to ask the Government for an appropriation of \$18,000.00. This is believed to be the smallest amount that the Library can be properly administered upon. The dog tax has dwindled yearly, and, in my opinion, there is no justifiable reason for it.

	1905.	1906.	1907.	1908.	1909.
City ap- propria- tion, ..	\$13,000.00	\$13,500.00	\$12,000.00	\$12,000.00	\$12,000.00
Dog li- censes,	1,912.93	1,603.66	1,680.01	956.11	933.44
Overdrawn	534.55	1,068.88	3,925.15	4,694.77	4,731.20

You will note from the above statistics the gradual dwindling of the dog tax from \$1,912.93 in 1905 to \$933.44 in 1909.

These statistics need no further comment, they speak for themselves.

INCREASE OF THE LIBRARY.

The total number of volumes at present in the Library is 62,998. The number of gifts received total 124 volumes. The accessions total 1297 volumes. It is always a great pleasure to yearly acknowledge the handsome gift of the White Fund Trustees. The Rev. James T. O'Reilly, O. S. A., is also worthy of a word of commendation for his gift of a work in ten volumes by various Catholic authors. With these exceptions the value of the gifts received are not what we would wish to see them.

GENERAL USE OF THE LIBRARY.

The total number of books loaned for home use was 142,330, divided as follows: Main Library, 130,543. Branch 10,587, books charged to teachers in primary grades 1200. This is a gain of 656 over the year 1909.

Statistics for past years are as follows:

1906	1907	1908	1909	1910
110,991	124,809	150,863	141,874	142,330

As has been repeated, the circulation of 1908 was in a great measure due to business depression at the time. Highest daily average:

1906	1907	1908	1909	1910
454	501	648	561	554
Largest in one day was February 26,				722
Least in one day was June 15,				216

The number of fines received was 2,334 and the amount received was \$182.10.

The amount received for books lost and old paper condemned was \$6.03.

As will be noted from appendix E, giving the classification of the circulation, the following statistics are interesting.

	1909.		1910.
Fiction	61403 °/° 46.00		59087 °/° 45.9
Juvenile	49275 °/° 37.00		46257 °/° 35.4
Periodicals	3821 °/° 2.9		4196 °/° 3.5
Literature	3127 °/° 2.4		3415 °/° 2.9
Useful Arts ...	1651 °/° 1.2		1969 °/° 1.7
Social Science..	1536 °/° 1.1		1638 °/° 1.2

These statistics do not include works loaned from the Reference Room, and furnish us with very interesting information, the circulation of fiction has decreased one tenth per cent, the Juvenile 1.6 per cent. The circulation in the more solid matter has increased perceptibly. The reference room has

enjoyed a larger patronage than ever. It is presided over by two most capable attendants, and the results achieved most gratifying. We are equipped with what might well be termed a good working library. It is our contention that a public library, primarily is an educational institution, it will also be noted that the circulation of fiction has decreased one tenth per cent. Much attention is given to the selection of works of fiction, many of its patrons read this class of literature solely, and rather than have them disappointed I think it would be well to further accede to their desires.

The number of new registrations recorded during the year was 1279.

There were many important accessions added, more prominent among which were:

Sturgis, R. History of Architecture. Vol. 2.

Ward, A. W. & Others. Cambridge Modern History. Vol. 6.

Century Dictionary and Encyclopaedia. 2 Vols.

Nelson's Encyclopaedia. 12 Vols.

Weale, W. H. J. Hubert and John Van Eyck.

Herbermann, C. G. ed. Catholic Encyclopaedia. Vols. 7, 8, 9.

Meyers. Konversations and Lexicon. 20 Vols.

Shoemaker, J. W. Best Selections. 26 Vols.

Gilman, D. C. & Others. eds. New International Encyclopaedia.
17 Vols.

Sylvester, C. H. New Practical Reference Library. 6 Vols.

Burton, J. H. Baronical and Ecclesiastical Antiquities of Scotland, 4 Vols.

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- Holmes, B. Lectures. Vols. 11, 12, 13.
 Madison, J. Writings. Vol. 9 (1819-1836.)
 Klassiker Der Kunst. 2 Vols.
 Herder. Konversations-Lexicon. 10 Vols.
 Raymond, H. M. ed. Cyclopedia of modern shop practice. 4 Vols.
 Raymond, H. M. ed. Cyclopedia of mechanical engineering.
 7 Vols.
 World's Best Music. 8 Vols.
 Every Child Should Know Series. 17 Vols.
 Universal Classics Library. 21 Vols.

ART EXHIBITIONS, 1910.

Millet	January 25 to February 14
Classic Art	February 22 to March 14
Medici Women	March 15 to April 4
Coal and Coke	April 5 to April 25
Despots of Italy	May 3 to May 23
Old Hollandish Interiors	June 21 to July 11
Transportation	July 26 to August 15
Jamaica	August 16 to September 5
English Photogravures	September 5 to September 25
Unger No. 3	September 26 to October 17
Mythology	October 24 to November 14
Madonnas	November 14 to December 4
Amesbury	December 20 to January 9

The Art Exhibitions still continue to serve as a source of pleasure and instruction to the public in general. The Medici Prints purchased by a vote of the Board of Trustees last year and additions to

which were made to the collection this year. They have been placed on exhibition twice and have called forth most favorable comment.

JUVENILE ROOM.

The number of volumes circulated for home use was 46,257. A slight decrease over previous year. This department has received considerable attention during the year. I regret that I cannot say the commendatory words expressed last year regarding the conduct of some of the boys.

BRANCH LIBRARY.

The cost of maintaining the Branch for the year 1910 was \$1344.07, practically the same amount as 1909 which was \$1343.77. The number of books issued from main building to branch was 2247 and 10,587 issued from branch, a total of 12,834 volumes. I am pleased to report that the heating and the conduct of the patrons have been excellent. I believe, however, that much more attention ought to be given this arm of the service.

MISCELLANEOUS.

During the past year the Library lost, by resig-

nation, the services of two valued attendants, Miss Ida J. Giddings and Miss Grace Donovan. Miss Giddings, a faithful attendant for thirty-five years and Miss Donovan for nine years. Their places have been filled with very promising attendants, the remainder of the service deserve the commendation of the board for their efficiency, and courtesy.

WILLIAM A. WALSH,

Librarian.

APPENDIX A.

ACCESSIONS TO THE LIBRARY, 1910.

Added by purchase,	916 vols.
Added by gift	124 "
Added by binding periodicals	257 "
Duplicates added	234 "
<hr/>	
Total accessions	1531 vols.

LOSSES.

Volumes worn out and condemned	923 vols.
Charged out and not returned	22 "
Unaccounted for	60 "
<hr/>	
Total losses	1005 vols.
Total number of volumes in the Library,	62,998 vols.

ACCESSIONS, DISREGARDING DUPLICATES PURCHASED AND OLD BOOKS REPLACED.

Added by purchase	916 vols.
Added by gift	124 "
Added by binding periodicals	257 "
<hr/>	
Total	1297 vols.
Lost and worn out books replaced	1042 vols.

PAMPHLETS.

Number of pamphlets added to the Library	1120
Number of unbound pamphlets in the Library	16,475

APPENDIX B. LIBRARY STATISTICS 1910.

1910.	MONTH	BOOKS LOANED FOR HOME USE.						HALL USE		FINES	BOOKS KEPT OVER			REPAIRS			ACCESSIONS.					
		Circulating Library.	Reference Library.	Total.	Daily Average.	Largest in one day.	Least in one day.	Students in Ref. Room.	Books read.		Number.	Amount.	Notices sent.	Special messenger	Books covered.	Books mended.	Books bound.	Books bought.	Books given.	Books replaced.	Periodicals bound.	Pamphlets given
Names Registered																						
January	119	12,288	212	12,500	481	602	273	3,463	1077	240	\$22.92	271	16	50	244	110	24	4	130	0	2	
February	134	12,556	180	12,736	554	722	349	3,551	1069	212	15.62	242	8	73	269	126	85	20	80	20	72	
March	105	12,950	166	13,116	486	680	282	3,683	990	207	15.67	265	8	52	350	179	194	9	357	2	215	
April	79	10,829	148	10,977	439	553	272	3,053	812	195	14.22	251	12	68	225	189	31	7	2	58	11	
May	67	9,851	131	9,982	384	530	264	2,878	589	196	15.10	266	7	94	376	216	71	21	60	11	133	
June	60	9,811	97	9,908	381	575	216	2,257	401	167	10.95	272	10	27	144	145	39	6	91	32	15	
July	87	10,292	152	10,444	402	599	285	1,855	250	140	9.30	181	4	0	168	159	86	14	120	21	0	
August	75	10,289	138	10,427	396	494	240	2,191	453	182	13.91	186	14	8	257	183	4	8	0	66	305	
September	127	8,786	124	8,910	356	427	231	2,107	796	225	17.88	235	15	28	251	250	50	14	85	0	47	
October	148	9,649	175	9,824	393	527	223	2,707	823	203	15.63	232	15	17	246	0	57	6	35	0	0	
November	176	10,906	195	11,101	436	608	242	3,223	989	220	16.96	238	8	14	204	82	114	10	39	44	80	
December	102	10,428	190	10,618	408	594	222	2,685	936	147	13.94	314	6	8	272	182	161	5	43	3	240	
Total,	1279	128,635	1908	130,543				33,653	9185	2344	\$182.10	2953	123	439	3006	1821	916	124	1042	257	1120	234

APPENDIX C.

STATISTICS OF SOUTH LAWRENCE BRANCH.

MONTH	Cards applied for.	CIRCULATION OF BOOKS.			Daily average	FINES.		REPAIRS.	
		Drawn from the Main Library	Drawn from the Branch	Total		Number	Amount	Books covered	Books mended
Jan.	7	231	952	1,183	46	11	1.10	3	61
Feb.	26	246	856	1,102	48	3	.30	2	58
Mar.	7	272	941	1,213	45	8	.68	0	66
Apr.	7	208	926	1,134	45	12	.66	0	59
May.	4	169	809	978	39	14	1.02	0	52
June.	5	202	834	1,036	40	13	.62	3	47
July.	8	166	893	1,059	42	7	.58	1	48
Aug.	14	160	877	1,037	38	14	1.10	0	30
Sept.	12	148	800	948	38	13	.96	2	38
Oct.	15	153	808	961	38	14	1.42	0	50
Nov.	18	138	973	1,111	44	7	.52	0	46
Dec.	11	154	918	1,072	41	3	.22	0	51
Total	134	2,247	10,587	12,834		119	\$9.18	11	606

APPENDIX D.

CLASSIFICATION OF ACCESSIONS FOR 1910.

CLASSES	Accession 1910	
	No. of Vols.	Per Cent.
1 Poetry and drama	15	1.2
2 Prose fiction,	323	24.9
3 General literature	113	8.7
4 Literary periodicals	120	9.2
5 Juvenile books	162	12.5
6 French and German	68	5.3
CLASS II.—HISTORY.		
7 Geography and travel	30	2.4
8 Biography	52	4.0
9 History	48	3.8
CLASS III.—ARTS AND SCIENCES.		
10 Fine arts	61	4.8
11 Industrial arts including medicine	64	4.9
12 Natural sciences	63	4.8
13 Social and political sciences, including public documents	122	9.4
14 Theology, mental and moral science ...	52	4.0
15 Philology	4	0.1
Total	1297	100.0

APPENDIX E.

CLASSIFICATION OF THE CIRCULATION.

CLASSES.	No. of Vols.	Per Cent.	Per	Per	Per
			Cent. 1909	Cent. 1908	Cent. 1907
1 Fiction	59087	45.9	46.0	47.2	45.7
2 Juvenile	46257	35.4	37.0	35.6	35.3
3 Periodicals	4196	3.5	2.9	2.8	3.1
4 Literature	3415	2.9	2.4	2.3	2.4
5 French and German	2106	1.8	1.9	1.7	0.9
6 Useful Arts	1969	1.7	1.2	1.2	1.4
7 History	1813	1.5	1.5	1.5	1.9
8 Biography	1708	1.3	1.3	1.6	1.8
9 Geography	1700	1.3	1.2	1.2	1.6
10 Social Science	1638	1.2	1.1	1.1	1.0
11 Poetry	1288	1.0	1.0	1.0	1.3
12 Theology	1190	0.9	0.9	1.0	1.1
13 Natural Science	1146	0.8	0.8	0.8	0.9
14 Fine Arts	1122	0.8	0.8	0.9	1.2
15 Hebrew				0.1	0.4
Total	*128635	100.0	100.0	100.0	100.0

*Books loaned from the Reference Library not included.

APPENDIX F. OCCUPATIONS OF PERSONS REGISTERED.

OCCUPATIONS.	1900		1901		1902		1903		1904		1905		1906		1907		1908		1909		1910		Totals.		
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.			
Mill operatives	129	63	166	65	163	64	125	89	149	88	155	65	163	80	193	133	248	117	191	132	203	124	1885	876	
Other industrial pursuits...	55	4	40	1	32	1	59	6	29	2	39	1	48	0	26	2	68	21	40	0	39	0	475	38	
School children	134	102	122	114	206	158	502	297	328	16	32	11	31	23	42	21	40	30	33	20	32	32	317	216	
Employed in stores	15	11	25	17	23	19	23	16	16	292	161	160	263	245	227	251	283	262	279	260	226	243	2531	2384	
Female teachers	0	8	0	5	0	6	0	8	0	3	0	2	0	8	0	4	0	6	0	6	0	6	0	62	0
Professions	17	0	26	0	11	0	14	0	17	0	14	0	20	0	19	0	17	0	23	0	24	0	202	0	
Other occupations	56	15	61	18	76	23	64	21	79	20	73	15	84	30	65	20	75	23	81	37	75	40	789	268	
No occupations	31	185	28	199	36	165	38	223	37	174	25	160	30	179	20	220	65	267	42	192	33	202	382	2167	
Totals,	437	388	468	419	552	442	625	660	655	575	499	414	639	565	592	651	796	726	689	647	532	647	6584	6011	

APPENDIX G.—GIFTS TO THE LIBRARY

GIVERS.

	Vols.	Pphs.
Abbot, E. Stanley	2	
Abbot Public Library		1
Acheson, Edward G.	1	
Adams, Oslar Fay	1	
Adriance Memorial Library		1
Aldrich, Edgar	1	
American School of Correspondence		2
Amherst College		2
Ancient and Honorable Artillery Co., Boston	1	
Andover Theological Seminary	1	
Aronld, Allen, Boston	1	
Association of Life Insurance Presidents		3
Atlantic City, N. J., Free Public Library	1	
Baltimore and Ohio R. R. Co.		3
Bancroft Memorial Library	1	
Bangor, Me., Public Library	1	
Berkeshire Athenaeum, Pittsfield	1	
Bigelow Free Public Library, Clinton	1	
Boston and Maine R. R. Co.		8
Boston Association for the Relief and Control of Tuberculosis		1
Boston, City of	1	
Boston College		3
Boston Public Library		1

APPENDIX G.—(*Continued.*)

GIVERS.	Vols.	Pphs.
Boston University		2
Bowdoin College		4
Brady, Robert	I	
Brockton Public Library		3
Bronson Library Fund, Waterbury, Conn.		I
Brookline Public Library		3
Brooklyn Institute of Arts and Sciences		6
Brown Alumni Monthly	I	
Burke, J. E., Boston		I
Canton Public Library		I
Carnegie Free Library, Alleghany, Pa.		4
Carnegie Hero Fund Commission		I
Carus, Dr. Paul	I	
Chautauqua Institution		I
Cincinnati, Ohio, Public Library		4
Cleveland, Ohio, Public Library		I
College of Dental and Oral Surgery		I
Columbia University		I
Concord, Mass., Free Public Library		1
Concord, N. H., Public Library		I
Crockett, Edward S.	I	
Dartmouth College		I
Dayton, Ohio, Public Library		I
Debar, Joseph, Cincinnati	I	
Detroit, Mich., Public Library		3
Deutsch-Amerikanischen National Bund Zweig, Lawrence, Mass.	I	

APPENDIX G.—(*Continued.*)

GIVERS.

	Vols.	Pphs.
Donnelly, Mrs. C. F., Roxbury	1	
Dover, N. H., Public Library		2
Dryden, John F.	1	
Durning-Lawrence, E.	2	
Eighteenth National Irrigation Congress		1
Elizabeth, N. J., Public Library		1
Engilsh, H. D. W., Pittsburg		1
Enoch Pratt Free Library, Baltimore		1
Equitable Life Assurance Society		1
Essex Institute		1
Fairmont Park Art Association		1
Field Columbian Museum		11
Fitchburg Public Library		1
Fitz Public Library		1
Fletcher Free Public Library, Burlington, Vt.		3
Forbes Library, Northampton		2
Foster, Rabbi Soloman		1
Gillette, King C.	1	
Gordon, H. Lennox	1	
Grand Rapids, Mich., Public Library		1
Green, J. D., Cambridge	1	
Groton Public Library		1
Hartford Public Library		3
Harvard University	3	4
Haverhill Public Library		4
Hebrew Union College		1

APPENDIX G.—(Continued.)

GIVERS.	Vols.	Ppks.
Hedge, Frederic H., Brookline	2	
Helena, Ohio, Public Library		1
Hodges, A. D. Jr.	1	
Holy Cross College		4
Homan, Rev. J. A., Cincinnati	1	
Housing Committee of Boston-1915		1
Indian Rights Association		2
Interstate Commerce Commission	2	
Jersey City, N. J., Free Public Library		6
John Crerar Library, Chicago, Ill		1
Johnson, Kate, North Andover	1	
Lake Mohonk Conference		2
Lawrence, City of	1	
Lawrence General Hospital and Children's Home ..		1
Lawrence School Committee		1
Lee, T. Z.	1	
Lincoln-Jefferson College of Law		3
Los Angeles Public Library		1
Lowell Public Library		1
Lowell Textile School		2
Lynn, City Clerk of		1
Lynn Public Library		1
Manchester, N. H., Public Library		1
Martin, H. D.	1	
Massachusetts Agricultural College		1
Massachusetts Audubon Society		1

APPENDIX G.—(*Continued.*)

GIVERS.

	Vols.	Ppks.
Massachusetts, Board of Education	I	
Massachusetts, Civil Service Commission		I
Massachusetts, College of Osteopathy		I
Massachusetts, Commission on the Cost of Living ...	I	
Massachusetts, Commonwealth of	I	5
Massachusetts, Free Public Library Commission ...		I
Massachusetts, Horticultural Society		2
Massachusetts, Institute of Technology		2
Massachusetts, Nautical Training school, Board of Commissioners		3
Massachusetts, Secretary of State	35	7
Massachusetts, State Board of Charity	I	
Massachusetts, State Library		I
Mechanics' Institute		I
Medford Public Library		I
Melvin, James C., Boston	I	
Memorial Hall (Andover) Public Library		I
Metropolitan Improvement Association	I	
Milton Public Library		2
Milwaukee Public Library		3
Minneapolis Board of Park Commissioners		I
Moffat, R. Burnham	I	
Morse Institute Library		I
National Educational Association		I
National Irrigation Congress		I
New Bedford Free Public Library		3

APPENDIX G.—(*Continuel.*)

GIVERS.	Vols.	Ppls.
New Britain Institute		I
New Haven Public Library		I
New Orleans Public Library		1
New York, New Haven and Hartford R. R. Co. ...		15
New York Mercantile Library		I
New York Public Library		13
Newton Public Library		I
Ohio University		2
Omaha, Neb., Public Library		4
O'Reilly, Rev. James T., O. S. A.	II	
Osaka, Japan, Public Library		I
Paine National Historical Assaciation		3
Peabody Institute		2
Pennsylvania Prison Society		I
Peoria, Ill., Public Library		2
Philadelphia Apprentices' Library		I
Philadelphia Free Library		I
Philadelphia, Library Co. of.....		3
Phillips Exeter Academy		3
Portland, Me., Public Library		2
Princeton University	I	
Providence Public Library		3
Publicity Club of Minneapolis		I
Republic, The St. Louis		I
Riverton Press		I
Rosenburg Public Library		3

APPENDIX G.—(*Continued.*)

GIVERS.

	Vols.	Pp. plus.
St. Joseph Public Library		2
St. Louis Mercantile Library Association		1
St. Louis Public Library		6
Salem Public Library		5
Scranton Public Library		3
Somerville Public Library		3
Southern Pacific R. R. Co.		5
Springfield City Library Association		5
Steele, Mrs. George W., California	1	
Stuart, W. M., Washington, D. C.		1
Supt. of Documents, Washington, D. C.	2	
Syracuse Public Library		2
Taunton Public Library		1
Thomas Crane Public Library		1
Thompson, Slason	1	1
Toronto, Ontario, Public Library		1
Trinity College		1
Trustees of G. F. Hoar Memorial Fund	1	
Trustees of Public Reservations		1
Tufts College		3
United States Brewers' Association	1	1
United States, Census Bureau		1
United States, Civil Service Commission	3	2
United States, Department of Agriculture	3	677
United States, Department of Commerce and Labor..	7	18
United States, Department of Interior	4	23
United States, Library of Congress	4	15

APPENDIX G.—(*Continued.*)

GIVERS	Vols.	Pphs.
United States, Smithsonian Institution	5	30
United States, Smithsonian Institution	5	37
United States, Treasury Department	5	30
University of Chicago		1
University of Illinois		2
University of Vermont		1
Vivisection Reform Society		3
Wall, William E., Somerville		1
Waltham Public Library		1
Western Theological Seminary		2
Williams, W. L.	1	
Wilmington Institute		1
Winchester Public Library		1
Worcester Academy		1
Worcester Polytechnic Institute		2
Worcester Public Library		1
Yale University		4
Young Churchman Co.	1	
Total	124	1120

APPENDIX H.—LIST OF PERIODICALS TAKEN AT THE LIBRARY.

DAILY.

Boston Daily Advertiser.	Lawrence Daily American.
Boston Daily Globe.	Lawrence Daily Eagle.
Boston Herald.	Lawrence Daily Telegram.
Boston Morning Journal	Lawrence Evening Tribune.
Boston Post:	New York Daily Tribune.
Christian Science Monitor. (gift)	Springfield Republican
Forward, The (gift)	

WEEKLY. *(American.)*

America.	Municipal Journal and Engineer.
American Architect.	Nation.
American Machinist.	Official Gazette of the U. S.
American Wool and Cotton Reporter. (2c.)	Patent Office, (gift.)
Anzeiger und Post. (gift.)	Outlook.
Army and Navy Register.	Pilot (Boston.)
Christian Register (gift)	Practical Politics
Christian Science Sentinel (gift)	Publisher's Weekly

APPENDIX H.—(Continued.)

Churchman	Republic
Congregationalist	Sacred Heart Review
Courrier des Etats Unis	Scientific American (2 c.)
Electrical World	Scientific American Supplement
Engineering News	Survey
Fibre and Fabric	Tuft's Weekly (gift)
Frank Leslie's (2 c.)	Universalist Leader
Harper's Weekly (2 c.)	Watchman
Harvard Bulletin (gift)	Wochenblatt der New Yorker
Independent	Staats-Zeitung
Irish World	Youths' Companion
Life	Zion's Herald
Literary Digest	
Littell's Living Age	

WEEKLY. (*Foreign*)

Builder	Spectator
English Mechanic	Tablet
Nature	Times (Weekly edition)
Saturday Review	Weekly Freeman (Dublin)

BI-WEEKLY.

Catholic Mind	Dial
---------------	------

MONTHLY. (*American*)

American Journal of Science	Library Journal
Atlantic Monthly (two copies)	Lippincott's Magazine (2 copies)

APPENDIX H.—(Continued.)

Book Buyer (gift)	Magazine of History
Bookman	McClure's Magazine (3 copies)
Book News Monthly	Munsey's Magazine (3 copies)
Book Review Digest	National Magazine
Brown Alumni Monthly (gift)	New England Magazine
Catholic World	North American Review
Century Magazine (4 copies)	Our Dumb Animals (gift)
Christian Science Journal	Outing
Concrete	Photo Era
Cosmopolitan (three copies)	Photographic Times
Craftsman	Popular Science Monthly
Cumulative Book Index	Public Libraries
Cumulative Index to Periodicals	Reader's Guide
Current Literature	Review of Reviews (two copies)
Educational Review	St. Nicholas (three copies)
Everybody's (two copies)	School Arts Book
Forum	Scribner's Magazine (3 copies)
Good Housekeeping	Shoppell's Owners, & Builders
Harper's Bazar	*Spirit of Missions
Harper's New Monthly Magazine (four copies)	Success
Holy Cross Purple (gift)	Textile Colorist
Human Life	Textile World Record
International Studio	Tuftonian (gift)
Journal of the Franklin Institute	World's Work
Lawrence High School Bulletin (gift)	

APPENDIX H.—(Continued.)

MONTHLY. (*Foreign*)

Blackwood's Magazine	Fortnightly Review
Chamber's Journal	Nineteenth Century (2 copies)
Contemporary Review	Pall Mall Magazine
Cornhill Magazine	Westminster Review
English Illustrated Magazine	

BI-MONTHLY.

Annals of the American Acad- Methodist Review
 emy of Political and Social
 Science
 Field Afar

QUARTERLY. (*American*)

American Catholic Historical Researches
 American Catholic Review
 American Historical Review
 American Journal of Public Hygiene
 Bibliotheca Sacra
 Harvard Graduates' Magazine
 New England Historical and Genealogical Register
 Political Science Quarterly

QUARTERLY. (*Foreign.*)

Dublin Review	Quarterly Review
Edinburgh Review	

CITY OF LAWRENCE

ANNUAL REPORT

OF THE

WATER BOARD

TO THE

CITY COUNCIL

FOR THE YEAR 1910



LAWRENCE, MASS.
AMERICAN-SUN PRINT,
1910.

IN BOARD OF ALDERMEN,

February 13, 1911.

Accepted without reading.

EDWARD J. WADE, *City Clerk.*

IN COMMON COUNCIL,

February 6, 1911.

Accepted in Concurrence.

RICHARD J. SHEA, *Clerk.*

Water Board, 1910.

WILLIAM C. CUSACK, PRESIDENT.

JOHN F. MCCARTHY, JEREMIAH J. DESMOND,
DR. ANTHONY FLEMING, EDWARD L. ARUNDEL.

CLERK AND SUPERINTENDENT, M. F. COLLINS.

REGISTRAR, JOHN B. CAMPBELL.

FOREMAN, EDWARD LEE.

OFFICE—Old Manual Training School Building, Oak street.

OFFICE HOURS—From 8 A. M. to 5 P. M., and from 7 to 8
Tuesday Evenings.

Rates payable at the City Treasurer's office semi-annually
in advance, January 1st and July 1st.

Bills for water measured by meter payable at the City Treasurer quarterly, on first days of January, April, July and October.

Meetings of the Board to examine bills and claims against
the department, the second business day of each month.

Bills paid by the City Treasurer at the City Hall on the
twelfth day of each month. Bills against the department must
be rendered on or before the first business day of each month.

Water Board, 1911.

JOHN F. McCARTHY, PRESIDENT.

Terms Expires January, 1912.

DR. ANTHONY FLEMING,

Terms Expires January, 1913.

EDWARD L. ARUNDEL,

Term Expires January, 1915.

JEREMIAH J. DESMOND,

Term Expires January, 1914.

WILLIAM C. CUSACK,

Term Expires January, 1916.

Report for 1910.

OFFICE OF THE LAWRENCE WATER BOARD,

LAWRENCE, MASS., January 1, 1911.

TO THE HONORABLE, THE MAYOR, AND CITY COUNCIL OF THE
CITY OF LAWRENCE.

GENTLEMEN:—

In conformity with the ordinance of the city, in relation to the care and management of the Water Department, the thirty-fifth annual report of the Lawrence Water Board for the year ending December 31, 1910, is herewith respectfully submitted for your consideration, together with the report of the superintendent of the department.

ORGANIZATION.

At the close of the year 1909, the City Council re-elected Edward L. Arundel as a member of the Water Board for a term of five years, beginning January 1, 1910.

On the first Monday in January, 1910, the Water Board for the year met at their rooms on Oak street and organized. William C. Cusack was elected president and Michael F. Collins was re-elected clerk of the board and superintendent of the department. The old corps of officials was retained.

FINANCIAL STATEMENT.

The following is a financial exhibit for the year 1910, showing the income of the works for the year, amount expended for maintenance and construction, also the net cost of the works, amount of funded loans in water bonds, value of sinking fund and the net debt January 1, 1911.

RECEIPTS.

From Water takers,	\$144,228.78	
Material and labor,	10,298.80	
Street sprinkling,	2,151.90	
		<hr/>
	\$156,679.48	
Less abatements,	688.59	
		<hr/>
		\$155,990.89
Balance on hand December 31, 1909,		14,086.92
		<hr/>
		\$170,077.81

EXPENDED.

Construction,	\$31,522.74	
Maintenance (general)	61,340.50	
Maintenance Meters	4,334.90	
Maintenance Services,	2,423.10	
Maintenance Filters,	9,809.85	
Maintenance Incidental,	853.57	
Annuity to Water Loan Sinking Fund,..	16,457.63	
Interest on water debt,	28,480.00	
		<hr/>
		\$155,222.29
Balance January 1, 1911,		14,855.52
		<hr/>
		\$170,077.81

NEW COVERED FILTER.

Balance unexpended December 31, 1908,	\$9,598.59	
Unexpended balance January 1, 1910,	\$9,598.59	
Net cost of works January 1, 1910,	\$2,232,208.52	
Construction extending the works, ...	\$31,522.74	
Running expenses including cost of meters,	78,761.92	
Interest on water debt,	28,480.00	
		<hr/>
		138,764.66
		<hr/>
		\$2,370,973.18

INCOME FOR THE YEAR.

Receipts for water less abatements,\$145,692.09

Material sold and labor performed,	10,298.80	
		<hr/>
		\$155,990.89
Net cost January 1, 1911,		<hr/>
		\$2,214,982.29

NET INDEBTEDNESS.

Bonded debt December 31, 1910,	\$712,000.00
Approved bills unpaid January 1, 1911, ..	1,978.75
	<hr/>
	\$713,978.75

ASSETS.

Funds held by Commissioners of Water	
Loan Sinking Fund,	\$73,322.55
Uncollected water rates,	10,215.25
	<hr/>
	\$83,537.80
Net debt January 1, 1911,	<hr/>
	\$630,440.95

TABLE—Showing the percentage of services supplying the different classes of water takers, number of meters, consumption and percentage of consumption by each class of meter takers revenue and per cent. of revenue therefrom, also amount received from non-metered takers and the number of persons supplied through meters and those supplied at assessment rates December 31, 1910

Water Takers.	Meters in Use.	Per Cent. of Total Services.	Persons Supplied.	Consumed Cubic Feet of Metered Water.	Consumption in Gallons.	Per Cent. of Total Pumpage.	Av. Rate per 100 Cubic Feet.	Amount.	Per Cent. of Total Receipts.
Metered									
{ Domestic,	6454	84.0	82,098	79,253,200	594,399,000	42.0	12.	\$99,106.07	67.7
{ Manufacturing,									
{ Mechanical, etc.,	520	7.0		43,879,700	329,097,750	22.5	.09	38,846.49	26.5
Totals,	6974	91.0	82,098	123,132,900	923,496,750	64.5	11.	\$137,952.56	94.2
Non-Metered,					*492,390,719	35.5			
Assessment Rates,		9.0	1,654					6,276.22	+3
Street Sprinkling,								2,151.90	1.5
Total Metered,	6974	100.	83,752	123,132,900	1,415,887,469	100.		\$146,380.68	100.0

*492,390,719 gallons is the non-metered consumption, included in which is the quantity of water used by the assessment takers and that used for fire protection and municipal purposes, also the quantity consumed in street sprinkling, flushing and leaks.

SUMMARY OF STATISTICS

FOR THE YEAR ENDING DEC. 31, 1910.

In form recommended by the New England Water Works
Association.

LAWRENCE WATER WORKS.

City of Lawrence. County of Essex. State of Massachusetts.

GENERAL STATISTICS.

Population by Census of 1910, 85,892.

Date of construction, 1874-1875.

By whom owned, City of Lawrence.

Source of supply, Merrimack river.

Mode of supply (whether gravity or pumping); pumping to
storage reservoir and stand pipe.

PUMPING STATISTICS.

1. Builders of Pumping Machinery—High Service, Barr
Pumping Engine Co., Philadelphia, Pa.
Law Service, I. P. Morris, Philadelphia, Pa.
2. Description of fuel used,

{	a. Kind, Bituminous.
{	b. Brand of coal, New River and New River Consolidated.
{	c. Average price of coal per gross ton, de- livered, \$4.81.
{	d. Percentage of ash, .073.
{	e. Wood, price per cord, none used.

3. Coal consumed for the year—High service, 382,446 lbs.
Low service, 2,475,331 lbs.
4. [Pounds of wood consumed] $\div 3$ = equivalent amount of coal, none.
- 4a. Amount of other fuel used, none.
5. Total equivalent coal consumed for the year = (3) + (4),
6. Total pumpage for the year—High service, 121,782,392 gallons, with allowance for slip.
Low service, 1,294,105,077 gallons with allowance for slip.
7. Average static head against which pumps work—High service, 294.20 feet.
Low service, 154.00 feet.
8. Average dynamic head against which pumps work—High service, 322.49 feet.
Low service, 187.06 feet.
9. Number of gallons pumped per pound of equivalent coal (5)—High service, 329.
Low service, 523.
10. Duty—Gallons pumped $(6) \times 8.34$ (lbs.) $\times 100 \times$ dynamic head (8).
High service, 88,100,248.
Low service, 81,516,809.
Total fuel consumed (5)
Cost of pumping, figured on pumping station expenses, viz.
High service, \$2,843.48.
Low service, \$15,130.25.
11. Per million gallons pumped—High service, 23.35 = \$12.77.
Low service, 11.69
12. Per million gallons raised one foot (dynamic, —High service \$.072.
Low service, \$.063.

FINANCIAL STATISTICS.

RECEIPTS.

Balance brought forward, \$14,086.92

(a) From ordinary (maintenance) receipts, \$155,990.89

(b) From extraordinary receipts (bonds, etc.), none.

From Water Rates.

A. Fixture rates, \$ 8,428.12

B. Meter rates, 137,952.56

C. Total from consumers, \$146,380.68

D. For hydrants, none.

E. For fountains, none.

F. For street watering, \$2,151.90.

G. For public buildings, none.

H. For miscellaneous uses, none.

I. General appropriation, none.

J. Total from municipal departments, none.

K. From tax levy, none.

L. From bond issue, none.

M. From other sources:

N. Total, \$170,077.81

EXPENDITURES.

Water Works Maintenances

A. Operation (mainagement and repairs) \$ 56,523.88

BB. Special:

Filters, 9,809.85

Iron Fence, 4,816.62

C. Total maintenance, \$71,150.35

DD. Interest on bonds,	28,480.00
FF. Sinking Fund,	16,457.63

Water Works Construction:

G. Extension of mains,	31,522.74
HH. Extension of service,	2,423.10
I. Extension of meters,	4,334.90
	<hr/>
Total construction,	\$38,280.74
LL. Unclassified expenses,	853.57
	<hr/>
N. Total,	\$155,222.29

O. Net cost of orks to date,	\$2,214,982.29
P. Bonded debt at date,	\$712,000.00
Q. Value of Sinking Fund at date,	\$73,322.55
R. Average rate of interest, 4 per cent.	

STATISTICS OF CONSUMPTION OF WATER.

1. Estimated total population at date, 85,892.
2. Estimated population on lines of pipe,
3. Estimated population supplied, 84,000.
4. Total consumption for the year, 1,415,887,469 gallons.
5. Passed through meters, 923,496,750 gallons.
6. Percentage of consumption metered, 65.
7. Average daily consumption, 3,879,143 gallons.
8. Gallons per day to each inhabitant, 45.
9. Gallons per day to each consumer, 46.
10. Gallons per day to each tap, 508.
11. Cost of supplying water, per million gallons, figured on total maintenance (item CC), (\$61,340.50), 43.32.
12. Total cost of supplying water, per million gallons, figured on total maintenance+interest, 28,480.00 on bonds, \$63.44.

STATISTICS RELATING TO DISTRIBUTION SYSTEM.

Mains.

- | | |
|--|--|
| <p>1. Kind of pipe, cast iron.</p> <p>2. Sizes, from 30 inch to 1 inch.</p> <p>3. Extended 14,127.0 feet during year.</p> <p>4. Discontinued 1,632.0 feet during year.</p> <p>5. Total now in use, 97 miles 2463 feet.</p> <p>6. Cost of repairs, per mile, none.</p> <p>7. Number of leaks per mile, none.</p> <p>8. Length of pipes less than 4 inches diam., 7.4 miles.</p> | <p>9. Number of hydrants added during year (public and private), 39.</p> <p>10. Number of hydrants (public and private) now in use, 794.</p> <p>11. Number of stop gates added during year, 86.</p> <p>12. Number of stop gates now in use, 1,512.</p> <p>13. Number of stop gates smaller than 4-inch, none.</p> <p>14. Number of blow-offs,</p> <p>15. Range of pressure on mains 65 lbs to 125 lbs.</p> |
|--|--|

Services.

- | | |
|--|---|
| <p>16. Kind of pipe, Gal. iron, lead, cast iron and lead lined.</p> <p>17. Sizes, 10 to 5-8 inch.</p> <p>18. Extended 9,238.2 feet.</p> <p>19. Discontinued, 997.1 feet.</p> <p>20. Total now in use, 59.3 miles.</p> <p>21. Number of service taps added during year, 244.</p> <p>22. Number now in use, 7,641.</p> | <p>24. Average cost of service for the year, \$23.39.</p> <p>25. Number of meters added, 341.</p> <p>26. Number now in use, 6,974.</p> <p>27. Percentage of services metered, 91.</p> <p>28. Percentage of receipts from metered water ($B \div C$),</p> |
|--|---|

-
- | | |
|---|---|
| 23. Average length of service, 38 feet. | 29. Number of motors and elevators added, none. |
| | 30. Number now in use, 20. |

HIGH SERVICE TOWER.

After fourteen years of continuous service the water was drawn from the high service stand pipe and a rigid inspection made of the interior by employees of the McCabe Boiler Works. Considering the length of service, the steel shell was found to be in very good condition. After a thorough scraping a special paint was applied to both the interior and the exterior.

The wooden observation deck was found to be in a very dangerous condition and its removal deemed advisable. The present deck is more substantial in construction and should withstand the ravages of time almost indefinitely. The base is made of the best Atlas cement in which was laid a brick floor. On top of this there are two inches of concrete, making a smooth, level floor. The cost for this observation deck was \$750, and the cost of inspection and painting was \$775, making a total cost of \$1525 for all repairs.

It may be well in passing to mention that dur-

ing the period of repair the water was pumped direct to the high service water mains, and we were thus afforded the first opportunity of making a real test of the new Ross pressure regulating valve, and its working was very satisfactory. The value of the high service water tower cannot be overestimated, and it is urged that at least once a year a thorough inspection of the interior be made to ascertain its condition.

RESERVOIR GROUNDS.

The magnificent view of the city obtained and because of its being an ideal breathing space has caused people to congregate around the reservoir in such numbers as to cause considerable trouble and annoyance. An idea of the number of people who seek recourse to the reservoir Sunday, can be had when we state that it was necessary to secure the appointment of employes of the department as special police officers, to prevent impromptu picnics at the water's edge and to protect the reservoir water from other pollution. Unless the purity of the water can be maintained in the reservoir the cost of filtration is entirely lost. The water board have discussed many times ways and means to overcome the pollution of the water either from the throwing of refuse or from drownings—accidental or suicidal.

At the regular meeting of the water board in April, the superintendent was directed to confer with the city engineer to the end, that plans and specifications be prepared and a call issued for bids for the erection of an iron fence. The invitation to bid was accepted by seventeen firms and the amounts ranged from \$4,806.62 to \$9,967. The contract was awarded to the Enterprise Foundry and Fence Company of Indianapolis, Ind., for the sum of \$4,806.62. A surety bond for \$2500 was furnished by the above firm as a guarantee of completion as pr contraect.

The fence, which has already been erected, is 2,133 1-6 ft. in length and follows the outer line of the lawn extending around the top of the reservoir basin. It is 5 feet in height; the pickets are 1 inch square, wrought iron, 56 inches long wiht tops brought to a point. The upper bar is 3 inches by 1½ inch wrought iron punched to receive the pickets. The lower bar is 3-inch steel, channel drilled, to receive picckts. There are sixty 6-inch square cast iron posts spaced about forty feet apart and set in the earth three feet, strengthened with Portland cement concrete. Each section of the fence between the posts is securely braced with angles at the posts, and in each section there are three anchor braces set in cment. There are three gates, one each on the

east and west sides of the reservoir and one at the south end. It is a very substantial and ornamental structure.

The lawns have been very carefully attended to and are in excellent condition. It will be possible next year, since the erection of the fence, to make the reservoir banks more beautiful, from an artistic standpoint, than ever before, and it is hoped that this end can be attained with little or no additional cost over the present year.

The wooden fence around the reservoir grounds, after its 35 years of service, is in very poor condition, in some places for hundreds of feet it is completely gone; the entire grounds around the reservoir should be enclosed with an iron fence. This could be done without too much expense in any one year, by erecting 1000 feet each year until the entire grounds are protected.

Considering the amount of work done by the department during the year, and the erection of the fence around the reservoir at a cost of \$5,000.00, it is gratifying to those in charge, that we have not only kept within our income, but show a substantial balance to the credit of the department.

CONCLUSION.

The Water Board extends to His Honor, Mayor

Cahill and the members of the City Council its acknowledgments for courtesies and counsel received during the year, we also wish to acknowledge our obligations to Acting Mayor Jordan, while holding the office of Mayor, until the election of our present Mayor, Dr. John T. Cahill, and all other city officials for the many acts of kindness, and it is with pleasure that we testify to the very satisfactory manner in which the Superintendent, Michael F. Collins, has managed the affairs of the department during the year.

WILLIAM C. CUSACK,
JOHN F. McCARTHY,
ANTHONY FLEMING, M. D.
JEREMIAH J. DESMOND,
EDWARD L. ARUNDEL,
Lawrence Water Board.

Superintendent's Report.

LAWRENCE, MASS., December 31, 1910.

TO THE WATER BOARD OF THE CITY OF LAWRENCE.

GENTLEMEN:—

In complying with the requirements of the City Ordinance, I herewith respectfully submit the thirty-fifth annual report of the superintendent.

During the year the department has laid 5 miles of pipe.
Number of feet of mains laid, 14,127.3
Number of feet of new services, 9,238.2
Number of feet of old services renewed, 2,816.0

MAIN PIPE.

There has been laid during the year 1,124.9 feet of 16-inch, 744.6 feet of 12-inch, 6,982.0 feet of 8-inch, 4,534.9 feet of 6-inch, 333.0 feet of 4-inch, 127.0 feet of 1½-inch Gal. iron, 280.9 feet of 1-inch lead lined, making a total of 14,127.3 feet of main pipe laid dur-

ing the year. 1,632.0 feet of this replaced smaller pipe.

Eighty-six stop-gates have been added during the year, and thirty-nine hydrants have been added to the system.

Number of miles of main pipe in use,97 miles, 2463.3 feet

Number of stop-gates in use,.....1,512

Number of hydrants in use, 794

SCHEDULE.

Showing the number of feet of each size of pipe and size of stop-gates on works December 31, 1910.

Size in Inches.	Length of Pipe in Feet.	No. of Stop-Gates.
30	8,640.1	4
24	1,032.9	2
20	10,159.1	10
16	15,238.3	29
12	36,880.6	55
10	18,043.1	25
8	121,837.4	278
6	249,246.1	1,020
4	14,893.6	89
2	8,835.5	
1 1/2	2,994.7	
1	27,178.3	
	<hr/>	<hr/>
	514,979.7	1,512

The following table shows the number of cases and deaths from typhoid fever each month for 1910, with the cause as near as could be ascertained in each case and the death rate.

TYPHOID FEVER FOR 1910.

Months.	Cases.	Imported.	Contracted.	*Canal Water	**Spring Water.	Total.	Deaths.	Imported.	Contracted.	Canal Water.	Spring Water.	Total.
January,	5			2	1	5	0					0
February	10		1	9		10	1					1
March	22		2	16		22	4			2		4
April	3			2		3	1		1			1
May	2					2	0					0
June	3	1		1		3	0					0
July	4	1		2		4	1			1		1
August	5	2	1	1		5	1		1			1
September	5	4		1		5	0					0
October	4	2	1		1	4	2	1			1	2
November	7		2	2		7	0					0
December	7			5		7	1					1
xTotal,	77	10	7	41	2	77	11	1	2	4	1	11

*Canal Water—Persons employed in mills where canal water is used and who may have had access to that water.

**Spring Water—Persons who have used spring water exclusively.

xFrom February 10 to April 4 there were 24 cases and 4 deaths among the employees in one mill in this city.

SERVICE PIPE.

Two hundred forty-four new services have been put in during the year, as follows: One 10-inch cast iron, one 8-inch cast iron, four 6-inch cast iron, five 4-inch cast iron, eight 2-inch galvanized iron, two 2-inch lead lined, one 1½-inch brass, six 1½-inch lead lined, sixty-nine 1-inch lead lined, twenty-two 1-inch lead, one hundred twenty-five ¾-inch lead. Using 40.6 feet of 10-inch, 25.0 feet of 8-inch, 150.8 of 6-inch, 139.5 feet of 4-inch, cast iron pipe, 88.5 feet of 2-inch lead lined, 376.7 feet of 2-inch galvanized iron, 250.7 feet of 1½-inch lead lined, 58.5 feet of 1½-inch galvanized iron, 57.6 feet of brass, 763.6 feet of 1-inch lead, 2,448.1 feet of 1-inch lead lined, 4,830.1 feet of ¾-inch lead pipe, 8.5 feet of ¾-inch galvanized iron pipe. Making a total of 9,238.2 feet of pipe laid.

Eighty-nine old services have been changed during the year. Thirty-nine ¾-inch iron changed to ¾-inch lead, twelve ¾-inch iron changed to 1-inch lead, one ⅝-inch lead changed to ¾-inch lead, six ⅝-inch lead changed to 1-inch lead, one ⅝-inch lead changed to 1-inch lead lined, seventeen ¾-inch iron changed to 1-inch lead lined, three ¾-inch lead lined changed to ¾-inch lead, one ¾-inch lead changed to 1-inch lead, three ¾-inch rubber coated changed to ¾-inch lead, one 1-inch lead changed to 1-inch lead

lined, one $\frac{3}{4}$ -inch lead changed to $1\frac{1}{2}$ -inch lead lined, one $\frac{3}{4}$ -inch block tin changed to $\frac{3}{4}$ -inch lead. Using 56.5 feet of $1\frac{1}{2}$ -inch lead lined, 556.4 feet of 1-inch lead lined, 756.0 feet of 1-inch lead, 1,447.1 feet of $\frac{3}{4}$ -inch lead. Making a total of 2,816.0 feet of pipe.

The amount of various sizes and kind of service pipe in use is as follows:

CAST IRON.

99.4 feet of	10 inches
1,002.5 " "	8 "
2,932.3 " "	6 "
4,986.7 " "	4 "

GALVANIZED IRON PIPE.

19.0 feet of	3 inches
78.4 " "	$2\frac{1}{2}$ "
4,556.6 " "	2 "
697.7 " "	$1\frac{1}{2}$ "
3,982.1 " "	1 "
39,504.0 " "	$\frac{3}{4}$ "

LEAD LINED IRON PIPE.

378.7 feet of	$2\frac{1}{2}$ inches
853.4 " "	2 "
438.1 " "	$1\frac{1}{2}$ "
64,882.3 " "	1 "
13,634.1 " "	$\frac{3}{4}$ "

LEAD PIPE.

33.8 feet of	1½ inch
14,498.1 “ “	1 “
65,071.6 “ “	¾ “
96,052.6 “ “	⅝ “

TIN LINED LEAD PIPE.

154.3 feet of	¾ inch
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BLOCK TIN LINED.

206.8 feet of	1 inch
49.7 “ “	¾ “

BRASS PIPE.

57.6 feet of	1½ inch
Number of services,	8,386
Abandoned	.....	745
Number of services in use,	.....	7,641

METERS.

Total number of Meters, Elevators and Motor indicators in use 6974 being 341 over last year.

KIND	½-inch.	5-8-inch.	3-4-inch.	1-inch.	1½-inch.	2-inch.	3-inch.	4-inch.	6-inch.	8-inch.	Elevators.	Motors.	Total.
Crown	778		124	22	1	8	8						941
Crown A.	8			1									8
Crown A.A.	3			1									4
Crest						3	5	4	5				17
Empire	1		1				1						3
Empire A.	6												6
Hersey	1												1
Hersey Disc.		78	24	5	1	4							112
Hersey dc. mf.		131	16										147
Keystone		23											23
King		9	2										11
Lambert		874	238	34	9	1	2	1					1159
Nash	261		119	20		1	1						402
Nash A.	944		256	29	2	3							1234
Nash A.A.	682		255	34	2	5							978
Nash A.X.						1	1						2
Nash A.A.X.	249		117	13	2	2							383
Niagara		55	6										61
Rotary	1	13	17	2		4	3	8	1	5			54
Thomson		392	141	28		1	1	2					565
Thomson Bee	3	9	4			1							17
Trident		555	192	35	19	18	1						820
Watch Dog		2											2
Worthington						1							1
Worthing'n dc		3											3
Elevators										9			9
Motors,											11		11
Totals,	2937	2144	1512	223	36	53	23	15	6	5	9	11	6974

We are supplying on an estimate through meter 82,098 persons. There are supplied at fixture rates 1,654 persons, making a total of 83,752 persons supplied. We are supplying all the public schools and annexes, the Armory, Public Library, Training School, City Almshouse, City Hospital, Steam Fire Engine Houses, one Hook and Ladder House, City Hall, Police Station, City Stables, Board of Health, Common, Cemeteries, drinking fountains, fire hydrants, 173 private stand pipes, together with the fixtures for fire and other purposes on the several corporations.

Number of feet of metered water,	123,132,900
Revenue received from same	\$137,952.56
Total number supplied in boarding houses and families alone,	83,752

RECEIPTS.

Water takers,	\$144,228.78
Material and labor,	10,298.80
Street sprinkling	2,151.90
	<hr/>
	\$156,679.48
Less abatements,	688.59
	<hr/>
	\$155,990.89
Balance on hand December 31, 1909,	14,086.92
	<hr/>
	\$170,077.81

EXPENDITURES.

Expense of teams,	1,523.07	
Labor,	\$26,287.82	
Coal at Pumping Station	7,523.08	
Engineers, Firemen and Extra Labor	8,425.88	
Wood and Coal at Office and Reservoir, ..	243.50	
Oil, waste and repairs, at Pumping Station,	2,992.37	
Expense of teams	1,523.07	
Hardware, tools and etc.	4,651.04	
Telephone and telegraph	202.87	
Stationary, stamps and printing	729.48	
Gas lighting at pumping station	350.24	
Stationary at pumping station	44.50	
Salaries	3,100.00	
Labor and teams	295.58	
Electric light	61.49	
Electric power,	54.64	
Gas at shop	38.32	
Fence at Reservoir	4,816.62	
		\$61,340.50
Meters	4,334.90	
Services	2,423.10	
Filters	9,809.85	
Incidental	853.57	
		\$17,421.42
Annuity to Water Loan Sinking Fund....	\$16,457.63	
Interest on Water Debt	28,480.00	
		\$44,937.63
		\$123,699.55

PAID ON ACCOUNT OF CONSTRUCTION.

Pipes, gates and hydrants,	\$16,598.92
Pipe laying	9,217.21
Services	5,706.61
Balance on hand January 1, 1911	14,855.52
	<hr/>
	\$170,077.81

NEW COVERED FILTER.

WATER LOAN OF 1906.

Unexpended balance December 31, 1908	\$9,598.59
Unexpended balance December 31, 1909	9,598.59
Unexpended balance December 31, 1910	9,598.59

Respectfully submitted,

MICHAEL F. COLLINS,

Superintendent.

RECEIPTS AND NET COST.

From May 8, 1876 to December 31, 1910.

YEAR.	Water Rates.	Material, Labor, Fines and Loan.	Total.	Net Cost at End of Year.	Increase.
May 8, 1876	\$ 2,095.32		\$ 21,244.64	\$1,363,735.25	
Dec. 31, 1876	15,204.84	\$ 5,507.09	20,711.93	1,461,785.98	\$98,050.73
" 1877	44,625.91	7,829.38	52,455.29	1,543,782.43	81,996.45
" 1878	43,558.82	2,335.00	45,893.82	1,613,998.36	70,215.93
" 1879	57,473.47	3,799.29	61,272.76	1,659,137.50	45,139.14
" 1880	62,670.27	4,829.42	67,499.69	1,706,071.89	46,934.39
" 1881	68,331.93	3,449.56	71,781.49	1,744,776.93	38,705.04
" 1882	71,281.07	6,406.47	77,687.54	1,792,917.39	48,140.46
" 1883	71,711.23	17,390.29	89,101.52	1,833,843.61	10,926.22
" 1884	77,121.20	3,905.30	81,026.50	1,861,908.28	28,064.67
" 1885	72,814.48	5,299.58	78,114.06	1,894,653.94	32,745.66
" 1886	76,417.88	5,848.12	82,266.00	1,924,015.32	29,361.38
" 1887	79,562.76	6,797.53	86,360.29	1,953,839.81	29,824.49
" 1888	71,907.54	7,528.94	79,436.48	1,983,324.53	29,484.72
" 1889	71,157.85	10,114.39	81,272.24	2,013,900.48	20,575.95
" 1890	73,989.20	8,135.01	82,124.21	2,037,855.20	23,954.72
" 1891	78,207.72	7,422.07	85,629.79	2,057,730.98	19,875.78
" 1892	84,944.29	7,518.44	92,462.73	2,103,117.22	45,386.24
" 1893	88,043.10	7,719.08	95,762.18	2,123,905.87	20,788.65
" 1894	86,653.25	5,739.70	92,392.95	2,151,989.32	28,083.45
" 1895	88,452.34	8,727.38	97,179.72	2,168,591.25	16,601.93
" 1896	93,192.30	10,971.90	104,164.20	2,223,274.47	54,683.22
" 1897	92,097.16	9,864.16	101,961.32	2,255,439.48	32,165.01
" 1898	93,245.91	9,092.47	102,338.38	2,267,327.18	11,887.70
" 1899	95,135.56	8,434.45	103,570.01	2,281,024.12	13,696.94
" 1900	101,190.94	7,208.21	108,399.15	2,260,350.08	*20,674.04
" 1901	102,214.65	6,839.70	109,054.35	2,252,446.13	*7,903.95
" 1902	103,882.53	11,989.87	115,872.40	2,252,976.98	†530.85
" 1903	106,974.90	9,876.61	116,851.51	2,244,872.33	*8,104.65
" 1904	107,623.81	8,350.80	115,974.61	2,231,340.42	*13,531.91
" 1905	102,803.33	6,496.01	109,299.34	2,230,696.61	*643.81
" 1906	113,569.77	13,934.92	127,504.69	2,255,358.96	†24,662.35
" 1907	122,826.75	8,471.99	131,298.74	2,269,697.67	†14,338.71
" 1908	128,490.17	6,355.70	134,845.87	2,254,075.95	*15,621.72
" 1909	131,478.58	9,618.27	141,096.85	2,232,208.52	*21,867.43
" 1910	145,692.09	10,298.80	155,990.89	2,214,982.29	*17,226.23

*Decrease.

†Increase.

EXPENDITURES.

From May 8, 1876 to December 31, 1910.

YEAR.	Construction.	Maintenance.	Interest.	Water Loan Sinking Fund.	Total.
May 8, 1876					
Dec. 31, 1876	\$57,611.53	\$10,884.46	\$50,266.67		\$1,384,979.89
" 1877	35,778.32	20,673.42	78,000.00		118,762.66
" 1878	24,381.40	13,728.35	78,000.00		134,451.74
" 1879	15,069.99	13,341.91	78,000.00		116,109.75
" 1880	14,238.06	22,196.02	78,000.00		106,411.90
" 1881	13,588.97	18,897.56	78,000.00		114,434.08
" 1882	28,126.22	19,701.78	78,000.00		110,486.53
" 1883	33,312.77	18,714.97	78,000.00		125,828.00
" 1884	14,268.93	16,822.24	78,000.00		130,027.74
" 1885	16,387.10	16,472.62	78,000.00		109,091.17
" 1886	15,928.54	17,698.84	78,000.00		110,859.72
" 1887	14,942.12	23,242.66	78,000.00		111,627.38
" 1888	12,510.81	18,410.39	78,000.00		116,184.78
" 1889	15,980.74	17,867.45	78,000.00		108,921.20
" 1890	15,981.74	18,097.19	72,000.00		111,848.19
" 1891	18,805.44	20,700.13	66,000.00		106,078.93
" 1892	47,116.94	24,732.03	66,000.00		105,505.57
" 1893	21,252.07	29,298.76	66,000.00		137,848.97
" 1894	24,771.65	31,376.35	62,530.00		116,550.83
" 1895	36,545.42	34,766.23	42,470.00		118,678.00
" 1896	77,379.72	39,387.70	42,080.00		113,781.65
" 1897	49,881.99	40,164.34	44,080.00		158,847.42
" 1898	17,681.35	52,464.73	44,080.00		134,126.33
" 1899	9,905.36	47,852.59	44,080.00	**\$3,472.42	117,698.50
" 1900	6,704.83	58,369.28	38,080.00	**15,429.00	117,266.95
" 1901	12,131.44	56,938.96	32,080.00	15,429.00	118,583.11
" 1902	21,205.52	63,037.73	32,080.00	15,429.00	116,579.40
" 1903	14,991.18	61,675.68	32,080.00	15,429.00	131,832.25
" 1904	11,010.61	59,352.09	32,080.00	15,429.00	124,175.86
" 1905	12,878.82	57,932.27	32,080.00	15,429.00	117,871.70
" 1906	41,156.86	54,548.30	29,080.00	†\$5,764.44	124,084.53
" 1907	41,948.73	72,591.29	28,480.00	15,429.00	140,214.16
" 1908	24,338.90	66,405.25	28,480.00	16,457.63	159,477.65
" 1909	28,837.42	61,912.00	28,480.00	16,457.63	135,681.78
" 1910	31,522.74	78,761.92	28,480.00	16,457.63	135,687.05
					155,222.29

**Annuity to Water Loan Sinking Fund.

†Experimenting on Driven Wells (Construction).

Report of the Engineer at the Pumping Station.

LAWRENCE, DECEMBER 31, 1910.

MICHAEL F. COLLINS, superintendent.

DEAR SIR:—

I herewith submit the thirty-fifth annual report of the Chief Engineer at the Pumping Station. During the early part of the year I called your attention to the condition of the Leavitt engines, after their 35 years of continuous service, you in return called the attention of the members of the Board to the serious condition of the above engines with the result that Mr. Morris Knowles, Consulting Engineer of Pittsburgh, Pa., was employed to make an examination of the Leavitt engines and report to the Board of his findings and also what he would recommend.

On December 22, 1910, Mr. Morris Knowles re-

ported his findings to the Water Board, his report in substance as follows.

That the present equipment at the Pumping station is entirely inadequate and in a more or less delapidated condition, he say that the pumping engines are in such a condition, that they are likely to break down at any moment and should a serious break-down occur the City would have no auxiliary plant to fall back on and would be left entirely without water service. Briefly the reasons for a new installation are:

First—The old and worn out condition of the Leavitt engines and manifest undesirability of paying out too much money for their repairs or adjustment or replacement of parts.

Second—The lack of sufficient capacity at the time of fire and also the lack of reserved capacity during ordinary use, to enable complete repairs to be made to the Barr Pump; making it necessary to secure a pump for this service.

Therefore if possible it should be desired to secure a unit which should perform both services with slight change of valves and without serious difference in efficiency. Mr. Knowles further states; from the review of the data in section 1, it is clear that a new pumping installation is needed for the Lawrence

Water Works. It is further apparent from the great development of manufacturing, during the past few years and the great probability of increase in population, in the few years to come, that the city of Lawrence, should have the question of supply and pumping considered, before it is to seriously up against the question of growing demand for water. The increase in supply, that is in providing sufficient water for the pump you have already considered, and I understand that money will be available, as soon as the proper legislative steps are completed, for bringing about increased filtered capacity. It is, therefore, necessary in this report to consider only the means for pumping.

It is quite probable that an entire re-arrangement of the pumping plant facilities, with new complete pumping outfit and boilers, to operate at a much higher pressure and also the use of superheated steam, would be quite prudent. In conclusion Mr. Knowles recommends for the present installation, a three million gallon per day turbine driven centrifugal pump at a cost of \$9,000.00, and now I cannot find words strong enough to impress on those that are in power to act on the above recommendations before it is too late, just think in case of a break down, what would become of our city.

REPAIR AT THE PUMPING STATION.

During the past year a roof was placed over the coal shed and the wisdom of this is apparent when the efficiency of our boilers show that there was 26 gallons more water pumped per pound of coal than during the proceeding year. A new gravel roof was placed on the boiler house and the slate roof of the Pumping station was repaired and placed in excellent condition.

The house platform scales was thoroughly overhauled and placed in first class condition.

Respectfully submitted,

JOHN C. HICKEY,

Chief Engineer, Pumping Station.

LOW SERVICE PUMPING ENGINES.

Number of gallons pumped with Leavitt engines, . . .	1,294,105,077
Average number of gallons pumped per day	3,549,766
Number of pounds of coal used,	2,475,331
Average number gallons of water pumped per pound of coal used,	523
Cost of raising one million gallons on foot high	\$0.06 25-100
Cost of raising one million gallons into reservoir . . .	\$11.69
Average head against pump in feet,	187.06
Number of days pumping,	364
Average pumping time per day,	20.43
Average duty in pounds of water raised one foot high per one hundred pounds of coal used for all purposes,	81,516,809

LOW SERVICE PUMPING EXPENSES.

Salaries of engineers, firemen and extra labor,	\$6,740.70
Oil, waste and repairs,	2,693.13
Gas lighting,	325.24
Stationary,	34.50
213 282-2240 tons of coal at \$4.45	948.41
181 2186-2240 tons of coal at \$5.15	937.18
713 400-2240 tons of coal at \$4.84	3,451.09
	<hr/>
	\$15,130.25

Coal in shed approximately 500 tons.

HIGH SERVICE PUMPING ENGINES.

Both the Barr and the Blake engines, are in good condition, all of the high service pumping has been

done this year with the Barr except two days that we had to run the Blake.

Number of gallons pumped (high service)	121,782,392
Average gallons pumped per day,	333,650
Cost of raising one million gallons one foot high...	\$0.07 24-100
Cost of raising one million gallons into stand pipe,..	\$23.35
Number of pounds of coal used,	382,446
Average number of gallons pumped per pound of coal,	329
Average head against pump in feet,	322.49
Average pumping time per day,	4.31
Number of days pumping,	365
Average duty in pounds of water raised one foot high per one hundred pounds of coal used,	88,100,248

HIGH SERVICE PUMPING EXPENSES.

Salaries of engineers, firemen and extra labor,	\$1,685.18
24 1486-2240 tons of coal at \$4.45,	109.75
23 1417-2240 tons of coal at \$5.15,	121.71
122 983-2240 tons of coal at \$4.84,	592.60
Oil, waste and repairs,	299.24
Gas light,	25.00
Stationary,	10.00

Total cost of high service pumping for the year,.....\$2,843.48

LOW SERVICE ENGINE RECORD FOR THE YEAR ENDING DECEMBER 31, 1910.

MONTHS.

MONTHS.	Engine.	Boiler.	Days pumping.	Total pumping time per month.	Average time per day.	Revolutions per month.	Average revolutions per day.	Average revolutions per minute.	Gallons pumped per month.	Average gallons pumped per day.	Gallons pumped per pound of coal.	Head.	Amount of coal used for all purposes.	Amount removed on low service.	Fuel.	Duty.	Per cent. of ashes.	Average duty in pounds of water raised one foot high per 100 pounds of coal used for all purposes, at- allowance as per test of James IV. Smith in 1896. No deduction for ashes or cinders.
January ... A & B	1	31	647 04 20 87	520,727 16,798 13.41	106,981,761 3,451,025 514	187.23	208,076	14,216	197,417 .067	80,219,868								
February ... B	1 & 2	28	589 45 21 05	467,406 16,693 13.21	96,285,350 3,438,763 506	187.25	190,189	12,708	177,765 .0667	78,880,085								
March B	2 & 1	31	679 51 21 92	493,685 15,925 12.10	101,709,210 3,280,942 511	187.66	198,985	13,908	187,479 .0690	79,983,950								
April B & A	1	30	643 35 21 45	534,651 17,722 13.84	109,849,856 3,661,662 552	187.14	199,190	14,070	186,073 .07	86,003,640								
May A	1 & 2	31	615 40 19 85	551,935 17,775 14.92	109,655,765 3,537,283 531	187.10	206,621	16,539	192,517 .08	82,746,485								
June A	2	30	560 25 18 68	475,984 15,866 14.15	94,630,617 3,154,354 535	186.66	176,959	17,778	166,677 .0624	83,181,938								
July A	2 & 1	31	663 55 21 40	613,025 19,775 15.39	121,797,299 3,928,945 547	186.83	222,756	16,764	206,860 .075	85,128,232								
August A	1	31	649 20 94	603,302 19,461 15.49	119,996,008 3,870,839 504	186.93	222,280	15,414	207,970 .069	84,093,792								
September . A	1 & 2	30	551 32 18 38	520,948 17,355 15.74	103,669,050 3,455,631 531	186.95	195,450	13,212	182,412 .067	82,634,302								
October A	2 & 1	31	628 27 20 27	574,469 18,531 15.23	114,319,530 3,687,727 520	187.04	219,882	16,743	204,179 .071	81,018,700								
November .. A	1	30	580 12 19 34	521,561 17,385 15.00	104,161,865 3,472,062 501	186.99	207,821	17,271	192,004 .082	78,100,974								
December ... A	1 & 2	30	629 58 20 99	563,034 18,768 14.89	111,048,766 3,582,218 489	187.00	227,072	21,733	206,104 .095	76,209,745								
Totals,		364	7439 24	6,439,827	1294,105,077	187.00	2,475,331	190,356	2,307,457 .073	81,516,809								
Averages		20	43	17,671 14.45	3,549,766 523 187.06													

raised one foot high per 100 pounds of coal calculated on total amount of coal used for all purposes, as per test of James W. Smith in 1896. No deduction for ashes or clinders.

HIGH SERVICE ENGINE RECORD FOR THE YEAR ENDING DECEMBER 31, 1910.

MONTHS.

MONTHS.																
Engine.	Boiler.	Days pumping.	Total pumping time per month.	Average time per day.	Revolutions per month.	Average revolutions per day.	Average revolutions per minute.	Gallons pumped per month.	Average Gallons pumped per day.	Gallons pumped per pound of coal.	Average head against pump.	Amount of coal used for all purposes.	Ashes removed on low service.	Fuel.	Per cent. of ashes.	Duty
In Use	H. M.	H. M.	Time.	Revolutions.	Gallons.	Head.										
January	1	31	98 43 3 18	290,417	9,368	49.03	7,967,452	257,015	329	323.13	24,187	1,572	22,615	.065		88,702,015
February	"	28	92 45 3 30	270,307	9,654	48.39	7,413,306	264,761	329	322.66	22,542	1,480	21,062	.065		88,426,688
March	"	31	102 23 3 29	295,420	9,530	48.09	8,105,508	261,468	329	323.05	24,621	1,664	22,957	.067		88,626,388
April	"	30	109 06 3 52	315,045	10,163	48.13	8,632,233	287,741	329	321.27	26,314	1,782	24,532	.067		87,826,426
May	"	31	116 57 3 74	337,717	10,894	48.12	9,253,481	298,499	329	320.71	28,144	1,853	26,291	.066		87,865,825
June	"	30	277 53 9 25	742,441	24,748	44.53	18,358,235	611,941	329	325.43	65,982	4,873	61,059	.074		86,968,294
July	"	31	174 39 5 63	503,105	16,229	48.01	13,784,076	444,648	329	317.43	41,926	3,080	38,846	.073		87,198,966
August	"	1	128 57 4 15	373,637	12,054	49.58	10,237,681	330,248	329	321.50	31,456	2,136	29,320	.068		87,768,720
September	"	1-2	130 45 4 35	381,051	12,720	48.57	10,440,823	348,027	329	321.49	31,756	2,632	29,124	.083		88,774,742
October	"	2-1	129 12 4 17	375,168	12,170	48.39	10,343,684	333,667	329	322.05	31,270	2,335	28,935	.074		87,834,173
November	"	1	104 40 3 48	304,947	10,165	48.56	8,355,517	278,517	329	325.27	25,415	2,109	23,306	.083		89,110,737
December	"	1-2	31 106 45 3 55	312,298	10,410	48.76	8,890,396	286,787	329	325.86	382,446	26,147	354,299	.091		88,100,248
Totals		365	1572 45 4 31	4,501,553	12,342	48.18	121,752,392	333,650	329	322.49	31,871	2,346		.073		
Averages																
**Pumping direct to Mains.																

Average duty in pounds of water raised one foot high per 100 pounds of coal calculated on total amount of coal for all purposes. No deduction for ashes or clinders.

Report of Operations at the City Filter.

LAWRENCE, December 31, 1911.

MR. MICHAEL F. COLLINS,

SUPERINTENDENT OF LAWRENCE WATER WORKS.

DEAR SIR:—

At the close of the year, there seem to be indications that 1910-1911 may give us another mild winter, judging by the records of the past few weeks. If so, it will be a somewhat unusual recurrence for three successive years; but, certainly, it will be a condition of affairs most acceptable to the Filter Management; as operations are difficult in the uncovered Filter, during the winter months, however mild they may be, but they are extremely hardshipping, during a severe or, even, a normal winter, in this climate.

The ice and snow item has been kept to an unusually low figure, again, for 1910, on account of a

mild winter and the assistance afforded by the covered Filter. The sand washing item has been reduced as to total cost. The scrapping item has been increased a little, while the sanding item has been substantially reduced. The cost for conveying sand has increased about \$200.00; but this item is always subject to fluctuation. Filter maintenance item has dropped nearly \$200.00; as has, also, extra Filter maintenance expense dropped over \$350.00 from last year. The outside work and improvements item has increased over \$1000.00, considerable of which expense could have been deferred until some future time, if the members of the Board so wished. The actual Filter operations expense has been reduced \$522.19 from last year; while the outside work and improvements have increased \$1079.06. As you understand the nature of this increase, it will not be necessary to enumerate its several items.

From present indications, it would seem that all who are truly interested in the water question must keep dinning into the ears of the City Government the necessity of reconstructing and covering the east section of the old uncovered Filter. The source of the water supply for the City of Lawrenie is, apparently, a settled fact; and its method of purification—by filtration—the only feasible way known to

experts. With the results of filtration receiving the approval of all engaged in sanitary problems:—bacteriologists, sanitary engineers, physicians, as a whole, and all well informed and right thinking citizens, it would seem that no city government should throw any impediment in the way of a necessary and reasonable improvement in our Filter plant. If our City Government refuses to be advised by those who are in a position to know and understand, and who advocate the reconstructing and covering of the east section of the old uncovered Filter,—such advirers, for instance, as the Water Board, who, in the last year's report, plainly stated, "The members of the Water Board are of the unanimous opinion that in order to place the department in a position to meet these requirements, it is essential that the east section of the old filter be covered. This we earnestly recommend. The City Engineer has plans and specifications already prepared and approved by the State Board of Health"; and if its members are swayed by the voice of ignorance or prejudice, the time will come again, when our city will have to humiliate itself, and go begging assistance from the suburban towns, to supply its citizens with water, as had to be done, to our shame, a few years ago.

SCRAPINGS.

The total number of beds scraped in the uncovered Filter was $248\frac{1}{2}$, or 24 and $8\frac{1}{2}/10$ acres; and the time and amount of scrapings were as follows:

January	22	Beds.
February	3	"
March	$23\frac{1}{2}$	"
April	25	"
May	25	"
June	17	"
July	17	"
August	25	"
September	16	"
October	25	"
November	25	"
December	25	"

The total number of cubic yards wheeled off from the old uncovered Filter was 1728, for the year 1910. On May 25th, beds from 18 to 25 were forked over, raked and smoothed; and, again, on October 22d, beds 22 to 25 were forked over, raked and smoothed. On June 9th, on beds from 1 to 9, the deposit was allowed to dry, and was, then, lightly raked over; on June 20th, the deposit on beds from 18 to 25 was allowed to drp and was lightly raked over. These were the only times it was advantageous to rake beds, during 1910; as sanding operations took place which necessitated a scraping, when a raking

would have answered, the purpose nearly as well. However, the rakings that were done made a saving of 16 beds, or 1 and 6-10 acres, that were not scraped.

The scrapings on the covered Filter took place as follows—the entire Filter being scraped the dates mentioned:

January 4.
January 24th.
February 16th.
March 4th.
March 30th.
April 21st.
May 19th.
June 14th.
July 7th.
August 4th.
September 14th.
October 15th.
November 15th.
December 13th.

The area scraped during these 14 scrapings, for 1910, was $10\frac{1}{2}$ acres, as against $9\frac{3}{4}$ acres for 1909. The cubic yards scraped from the covered Filter, for 1910, were 1069. During 1910, in the covered and uncovered Filters, there were scraped nearly $21\frac{1}{2}$ acres more than in 1909, which accounts for the slight increase in the cost of scraping in 1910 over 1909. As can, also, be seen, again this year, a scraping was saved in February, our severest month, through the

assistance given by the covered Filter,—with the exception of 3 beds, on the first day of the month that followed the ice cutting and scraping of January 30th and 31st.

SAND WASHING.

The sand washers were started April 5th, and ran in conjunction with our other work until August 12th. During that time, 2,039 cubic yards were washed; 1,135 cubic yards for the uncovered Filter; 904 cubic yards for the covered Filter. This amount is 1,273 yards less than in 1909; and it was washed at a cost of $35\frac{1}{2}$ cents per cubic yard. This is an increase of nearly 6 cents per cubic yard; as more was washed and ejected from the roadways, at a lift of about 18 feet to the sand washing hoppers, because there were scarcely any storage piles left above the uncovered Filter. All the sand washed was returned during the summer and early fall.

SANDING.

Sand returned to the uncovered Filter:—

June	21,	Bed	17,	Sand on,	$4\frac{3}{4}$	inches.
"	21,	"	16,	" "	5	"
"	22,	"	15,	" "	$5\frac{1}{2}$	"
"	22,	"	14,	" "	6	"
"	23,	"	13,	" "	$5\frac{3}{4}$	"
"	23,	"	12,	" "	$5\frac{1}{2}$	"
"	24,	"	11,	" "	$6\frac{1}{4}$	"
"	25,	"	10,	" "	6	"
"	27,	"	9,	" "	$6\frac{3}{4}$	"
"	28,	"	8,	" "	7	"
"	29,	"	7,	" "	$6\frac{1}{2}$	"

"	30,	"	6,	"	"	5½	"
"	30,	"	5,	"	"	5	"
July	1,	"	4,	"	"	5¼	"
"	2,	"	1,	"	"	8	"
"	29,	"	2,	"	"	8	"
August	31,	"	3,	"	"	9	"
September	8,	"	20,	"	"	4	"
"	9,	"	18,	"	"	5¼	"
"	10,	"	19	2-3 of,	"	6	"
October	21,	"	19	1-3 of,	"	6¾	"
"	21,	"	21,	"	"	5	"

There was no sand put on beds 22, 23, 24 and 25. The washed sand having become exhausted, and it being, then, expected that the east section, where those beds are located, would be reconstructed and covered, it was deemed advisable not to purchase any new sand at that time, since the elevation of the beds was ample for the winter months.

SAND RETURNED TO COVERED FILTER.

On June 15th, the northwest quarter of the covered Filter was sanded to a depth of 6 inches. On July 9th, the southwest eighth of the covered Filter was sanded to the depth of 8 inches. On August 10th the south and southeast three-eighths part of the covered Filter was sanded to the depth of 8½ inches. On September 15th, the northeast quarter of the covered Filter was sanded to the depth of 9 inches.

ICE FORMATION AND ICE CUTTING.

On March 22d, the ice entirely left the uncovered Filter, and the first ice formation following occurred on November 20th, of about a quarter of an inch in each section.

The total cost of ice and snow handling was \$2,302.70, for 1910, as compared with \$2,090.14, for 1909. This is, again, very low for this item, as it is only \$212.56 over 1909, the lowest for any year, since the Filter construction. Considerable space might be here taken to expatiate on the advantages of covering the east section of the uncovered Filter, and to explain the beneficial conditions that would result therefrom; but it has been gone over so much and so often, that one wonders, at times, does it do more harm than good to recommend a beneficial project to some city governments; when it seems that some of its members are swayed by biased personal opinions and the objections of outside individuals.

FILTER MAINTENANCE.

Filter Maintenance—that catch-all, so to speak, of all claims not specifically stated—is an item where everything is charged that has no particular bearing on any other item that goes to make up the whole. This item comprises repairs of any kind inside the

Filters; tools, not chargeable to any other item, in particular; and the lighting of the covered Filter, especially during the winter months. This item has been reduced \$179.53 from 1909.

EXTRA FILTER MAINTENANCE.

In this item is collected all repairs to river slopes outside of the Filters: work on top of covered filter; grass cutting on Filter slopes, and all work outside of the Filters proper that has a bearing on Filter work and maintenance. In this item, is included the paving of a strip, 65×100 feet, directly north of the east section of the uncovered Filter, and equal to 722 2-9 square yards. This includes the paving and grading of what was, a few years ago, an unsightly knoll; and affords considerable space for sand storing. The item of extra Filter maintenance has been reduced from 1909 expense, \$356.95.

GENERAL IMPROVEMENTS.

As has been stated in the reports heretofore, this item includes the care of the lawns, flower beds, trees, streets adjoining grounds, etc. Under this head, for 1910, come the building of a retaining wall, 78 feet long, average 14 feet high, and $1\frac{1}{2}$ feet thick, —north and west of the new tool house, built during

1910; also, the laying out, etc., of a large kite grass plot, 33 feet at hips, and 66 feet long; and caring for the gravel roadways; repairs on gutters, etc. There was, also, removed from the bank directly northwest of the covered Filter, a large quantity of earth, looking to the final straightening of the long slope north and northwest of the covered Filter. This material was used making land west of the covered Filter. This item has been increased in 1910 over 1909, the sum of \$1,079.06, mainly, by the number of men employed in this excavation.

COAL USED.

The amount of coal used running the ice elevator for 1910, was 1950 lbs.; for pumping out the covered Filter, 3286 lbs., for pumping out the uncovered Filter, 11,506 lbs., making a total of 16742 lbs., which makes the cost about \$12.00 less than for 1909.

WATER FILTERED.

The water filtered and pumped was 1,415,887,469 gallons ;an increase over 1909 of 114,539,796 gallons; and over 1908, of 162,282,585 gallons.

It is easy to see that, with this rapid increase in the city's consumption of water, even with all the check of our well metered system, unless the east

section of the uncovered Filter is reconstructed and covered, it will not be long before we must have more Filter area.

RECAPITULATION.

Items.	Labor.	Teaming.	Bills.	Totals.
Ice and snow,	\$2,134.71	\$145.00	\$ 22.99	\$2,302.70
Sand washing,	665.46		62.08	727.54
Scraping,	2,563.82		44.55	2,608.37
Sanding,	1,106.00	112.00		1,218.00
Conveying sand,	866.45	125.12		991.57
Filter maintenance,	748.94		147.26	896.20
Extra Filter maintenance,	490.14	109.00	6.03	605.17
Coal used for pumping out Filters,				34.30
	<hr/> \$8,575.52	<hr/> \$491.12	<hr/> \$282.92	<hr/> \$9,383.85
Work on grounds and improvements outside of regular Filter work,	2,076.21	426.00		2,502.21
Grand totals,	<hr/> \$10,651.73	<hr/> \$917.12	<hr/> \$282.91	<hr/> \$11,886.06

For the information of those into whose hands this report may fall, it is again stated, in closing, that we are working under the eight-hour system, and at the rate of twenty-five cents per hour.

Respectfully submitted,

DANIEL J. O'MAHONEY,

Caretaker of Filters.

SCHEDULE

Showing the size and length of pipe, laid in extension of the works, for the year ending December 31, 1910.

STREET.	LOCATION.	16-in.	12-in.	8-in.	6-in.	4-in.	Gal.	L. L.
							1½-in.	1-in.
Alder	Extended east'ly from Exchange st.							27.5
Archer	Extended west'ly from West st.							63.0
Auburn	Extended to hydrant				9.0			
Basswood	Extended to hydrant				8.9			
Basswood	Extended north'ly from Alder st.			153.5				
Bellevue	Connecting Highgate and Hav- erhill sts.				179.0			
Bellevue	Extended to hydrant				9.3			
Belknap	Extended north- erly from Coo- lidge st.			111.0				
Belknap	Extended north- erly from Coo- lidge st.							3.9
Blakelin	Extended south- erly from Wil- loughby st.				53.4			
Blakelin	Extended to hydrant				9.5			
Bowdoin	Extended to hydrants				17.6			
Bowdoin	Connecting Bow- doin st. and So. Broadway.				274.0			
Bowdoin	Connecting Clif- ton and Brook- field sts.				265.4			
Broadway	Extended to hydrant				9.8			
Brookfield	Connecting Haw- ley and Brook- field sts.			451.6				
Bruce	Extended south- erly from Park				224.7			
Bruce	Extended to hydrant				7.8			

SCHEDULE OF MAIN PIPE—*Continued.*

STREET.	LOCATION.	16-in.	12-in.	8-in.	6-in.	4-in.	Gal. 1½-in.	L. L. 1-in.
Byron Avenue	Extended to hydrant				9.2			
Byron Avenue	Extended east'ly from Middlebury				359.9			
Cambridge	Extended east'ly from Phillips				110.0			
Cantillion	Extended west'ly from Lawrence				45.5			
Cardiff	Extended south'ly from Marston			278.6				
Champlain ave.	Extended west'ly from Oxford					208.0		
Chester	Connecting State st. and South Broadway			286.7				
Chester	Extended to hydrants.					16.0		
Chester	Connecting Clifton and Brookeld sts.					517.9		
Clifton	Extended to hydrants.					18.5		
Clifton	Extended south'ly from Draught			154.5				
Clifton	Extended south'ly from Bowdoin			401.8				
Clifton	Extended south'ly from Andover							55.0
Congress	Extended north'ly from Byron Ave.							35.5
Cornish	Connecting Cornish and Swan sts.				116.0			
Eaton	Extended north'ly from Andover				146.2			
Elizabeth	Extended south'ly from Butler				206.0			
Elizabeth	Extended to hydrant.				8.3			
Essex	Extended to hydrant.				7.5			
Essex	Connecting Ames and Nesmith			447.0				
Eutaw	Connecting Fitz and Park sts.				227.5			

SCHEDULE OF MAIN PIPE—*Continued.*

STREET.	LOCATION.	16-in.	12-in.	8-in.	6-in.	4-in.	Gal. 1½-in.	L. L. 1-in.
Eutaw	Extended to hydrant.				8.2			
Farnham	Connecting Farnham and Shaw-sheen Road				55.4			
Front	Extended north-erly from Andover							90.0
Garfield	Extended south-erly from Fal-mouth			137.6				
Garfield	Extended to hy-drants				19.3			
Groton	Extended to hy-drant				9.4			
Groton	Connecting Gro-ton and Brook-filed				78.8			
Hampshire	Connecting Cen-tre and Law-rence			363.8				
Hawley	Connecting Haw-ley and Brook-field				51.7			
Hawley	Extended to hy-drant				9.2			
Heath	Connecting South Union & South st.		436.0					
Hoffman Ave.	Extended south-erly from Mars-			223.6				
Hoffman Ave.	Extended south-erly from Mars-							6.0
Huse	Extended north- from Park				212.7			
Huse	Extended to hy-drant				8.0			
Juniper	Extended to hy-drant				7.5			
Juniper	Extended north-erly from Al-der			353.0				
Leslie	Extended east'ly from Woodland			280.				
Linden	Connecting Essex and Pearl				198.3			
Linden	Extended to hy-drant				5.0			
Lynch	Extended north-erly from But-ler						127 0	
Maple	Extended east'ly from Lawrence				310.8			

STREET	LOCATION	16-in.	12-in.	8-in.	6-in.	4-in.	Gal.	L. L.
							1½-in.	1-in
Maple	Extended to hy-							
	drant				9.2			
Morris	Extended east'ly							
	from Jennings			98.0				
Nesmith	Extended south-							
	erly from Dewey			147.8				
Nesmith	Extended to hy-							
	drant				7.8			
Ohio Ave.	Extended to hy-							
	drant				8.1			
Ohio Ave.	Extended wester-							
	ly from Ames				212.2			
Osgood	Extended south-							
	erly from An-							
	dover	1124.9						
Osgood	Extended to hy-							
	drants				47.8			
Phillips	Extended south-							
	erly from Cam-							
	bridge				36.0			
Salem Turnpike	Extended south-							
	erly from Chick-							
	ering			1785.1				
Salem Turnpike	Extended to hy-							
	drant				12.4			
Saratoga	Extended to hy-							
	drant				7.5			
Saratoga Terrace	Extended north-							
	erly from Sara-							
	toga					125.0		
Shawsheen Road	Extended north-							
	erly from Farn-							
	ham				176.0			
Shawsheen Road	Extended to hy-							
	drant				9.2			
South	Connecting So.							
	Union to South		25.0					
South Union	Extended south-							
	erly from Cold							
	Spring Brewery		283.0					
Stearns Ave.	Extended north-							
	erly from Sara-							
	toga				72.0			
Stevens	Connecting Mt.							
	Vernon and							
	Weare			628.7				
Stevens	Extended to hy-							
	drant				8.6			
Sunset Ave.	Extended south-							
	erly from Sara-							
	toga			272.8				
Swan	Extended north-							
	erly from Cor-							
	nish			149.8				

STREET.	LOCATION.	16-in.	12-in.	8-in.	6-in.	4-in.	Gal. 1½-in.	L. L. 1-in
Swan	Extended to hydrant				9.2			
Texas Ave.	Extended westerly from Ames				60.0			
Tower Hill	Extended southerly from Essex			257.1				
Tower Hill	Extended to hydrant				7.9			
Willow	Extended to hydrant				7.8			
Winter	Extended to hydrant				12.0			
		<u>1124.9</u>	<u>744.6</u>	<u>6982.0</u>	<u>4534.9</u>	<u>333.0</u>	<u>127.0</u>	<u>280.9</u>

PIPE REMOVED.

LOCATION.	2 ½-in. Gal. Iron.	1-in. Gal. Iron.	1-in. Lead Lined
Byron Ave.			47.0
Cantillion street,			45.0
Elizabeth street,	206.0		
Hampshire street,			228.0
Linden street,	48.0		
Maple street,	212.0		
Maple street,	91.8		
Osgood street,			334.0
Stevens street,	174.0		
Stevens street,			247.0
	91.0	64.0	901.0

SCHEDULE

Showing location, size and number of stop-gates, set on the works during the year ending December 31, 1910.

Street.	Location.	No.	Size Inches
Andover—northwest corner of Eaton street,	I	6	
Auburn—on hydrant east of Hampshire street	I	6	
Basswood—on hydrant corner of Alder street.....	I	6	
Basswood—northwest corner of Alder street	I	6	
Belknap—northwest corner of Coolidge street	I	8	
Bellevue—on hydrant north of Haverhill street	I	6	
Blakelin—on hydrant south of Willoughby street	I	6	
Bowdoin—northeast corner of Clifton street	I	6	
Bowdoin—on hydrant northeast corner of Clifton street,	I	6	

SCHEDULE OF STOP-GATES—*Continued.*

Street.	Location.	No.	Size Inches
Bowdoin—on hydrant northwest corner of South Broadway	I	6	
Bowdoin—northwest corner of South Broadway.....	I	6	
Broadway—northwest corner of Canal street, Boston & Maine R.R.	I	4	
Broadway—on hydrant northeast corner of Cross street.	I	6	
Brookfield—northwest corner of Groton street	I	8	
Brookfield—southwest corner of Groton street	I	8	
Bruce—on hydrant southwest corner of Park street....	I	6	
Bruce—southwest corner of Park street	I	6	
Byron Ave.—on hydrant east of Middlebury street....	I	6	
Byron Ave.—northeast corner of Middlebury street....	I	6	
Cambridge—southeast corner of Phillips street.....	I	6	
Cantillion—northwest corner of Lawrence street	I	6	
Cardiff—southwest corner of Marston street	I	6	
Champlain Ave.—northwest corner of Oxford street..	I	4	
Chester—northwest corner of Brookfield street	I	6	
Chester—northwest corner of State street.....	I	6	
Chester—on hydrant northwest corner of State street..	I	6	
Chester—on hydrant west of Brookfield street	I	6	
Chester—northeast corner of South Broadway	I	6	
Chester—northeast corner of Clifton street	I	6	
Chickering—northwest corner of Salem Turnpike	I	8	
Clifton—southwest corner of Chester street	I	8	
Clifton—on hydrant southwest corner of Chester street	I	6	
Clifton—southwest corner of Dracut street	I	6	
Cornish—northeast corner of Swan street	I	6	
Cornish—on hydrant northeast corner of Swan street..	I	6	

SCHEDULE OF STOP-GATES—*Continued.*

Street.	Location.	No.	Size Inches
Elizabeth—on hydrant southwest corner of Butler street	I	6	
Elizabeth—southwest corner of Butler street	I	6	
Essex—northwest corner of Ames street	I	8	
Essex—on hydrant northwest corner of Ames street...	I	6	
Essex—northeast corner of Nesmith street	I	8	
Eutaw—on hydrant south of Park street	I	6	
Farnham—southwest corner of Shawsheen Road	I	6	
Garfield—on hydrant south of Falmouth street	I	6	
Garfield—on hydrant southwest corner of Falmouth street	I	6	
Garfield—southwest corner of Falmouth street	I	8	
Groton—northeast corner of Brookfield street	I	6	
Groton—on hydrant northeast corner of Brookfield street	I	6	
Hampshire—northwest corner of Centre street	I	6	
Hawley—northeast corner of Brookfield street	I	6	
Hawley—on hydrant northeast corner of Brookfield street	I	6	
Heath—near Boston & Maine Railroad	I	12	
Hoffman Ave.—southwest corner of Marston street...	I	6	
Huse—northwest corner of Park street	I	6	
Huse—on hydrant northwest corner of Park street....	I	6	
Juniper—on hydrant north of Alder street	I	6	
Leslie—northeast corner of Woodland street	I	8	
Linden—northwest corner of Pearl street	I	6	
Linden—southwest corner of Pearl street	I	6	
Linden—on hydrant northwest corner of Pearl street..	I	6	
Maple—on hydrant east of Lawrence street	I	6	
Maple—southeast corner of Lawrence street	I	6	
Marston—at City Home	I	4	

SCHEDULE OF STOP-GATES—*Continued.*

Street.	Location.	No.	Size Inches
Morris—	northeast corner of Jennings street	I	6
Nesmith—	on hydrant northwest corner of Dewey street	I	6
Ohio Ave.—	northwest corner of Ames street	I	6
Ohio Ave.—	on hydrant northwest corner of Ames street	I	6
Osgood—	on hydrant northwest corner of Exeter street	I	6
Osgood—	on hydrant southwest corner of Cambridge street	I	6
Osgood—	on hydrant southwest corner of Boxford street	I	6
Osgood—	on hydrant northwest corner of East Boxford street	I	6
Osgood—	southwest corner of Andover street	I	16
Osgood—	southwest corner of Salem street	I	16
Pearl—	on hydrant northwest corner of Floral street..	I	6
Salem Turnpike—	785.4 feet south of Chickering street..	I	8
Salem Turnpike—	1,616.7 feet south of Chickering street	I	8
Salem Turnpike—	on hydrant south of Chickering street	I	6
Saratoga Ter.—	northwest corner of Saratoga street...	I	4
Shawsheen Rd.—	on hydrant northwest corner of Farn- ham street	I	6
Stevens—	northwest corner of Weare street	I	8
Stevens—	on hydrant north of Weare street	I	6
Sunset Ave.—	northwest corner of Saratoga street...	I	6
Tower Hill—	on hydrant northwest corner of Essex street	I	6
So. Union—	at Cold Spring Brewery	I	8
So. Union—	northwest corner of Heath street	I	12

Willow—on hydrant southwest corner of Myrtle street	I	6
Winter—on hydrant northeast corner of Essex street. . .	I	6

SCHEDULE

Showing location of hydrants, set on the works, during the year ending December 31, 1910.

Street.	Location.	Kind
Auburn—east of Hampshire street,		Ludlow
Basswood—corner of Alder street		"
Bellevue—635.0 feet north of Haverhill street		"
Blakelin—south of Willoughby street		"
Bowdoin—corner of Clifton street		"
Bowdoin—corner of South Broadway		"
+Broadway—corner of Cross street		Darling
Bruce—corner of Park street		Ludlow
Byron Ave.—east of Middlebury street		"
Chester—216.2 feet west of Brookfield street		"
Chester—corner of State street		"
Clifton—corner of Chester street		"
Clifton—corner of Dracut street		"
Elizabeth—corner of Butler street		"
*Essex—corner of Ames street		Chapman
Eutaw—south of Park street		Ludlow
Garfield—corner of Falmouth street		"
Garfield—98.0 feet south of Falmouth street		"
Groton—corner of Brookfield street		Walker
Hawley—corner of Brookfield street		Ludlow
Huse—north of Park street		"
Juniper—north of Alder street		"

SCHEDULE OF HYDRANTS—*Continued.*

Street.	Location.	Kind
Linden—corner of Pearl street		"
Maple—291.0 feet east of Lawrence street		"
Nesmith—corner of Dewey street		"
Ohio Ave.—corner of Ames street		"
Osgood—corner of Boxford street		"
Osgood—corner of Cambridge street		"
Osgood—corner of East Boxford street		"
Osgood—corner of Exeter street		"
**Pearl—corner of Floral street		"
Salem Turnpike—1,516.7 feet south of Chickering street		"
Saratoga—corner of Sunset Ave.		"
Saratoga—corner of Stearns Ave.		"
Shawsheen Road—corner of Farnham street		"
Stevens—north of Weare street		"
Swan—corner of Cornish street		"
Tower Hill—corner of Essex street		"
Willow—corner of Myrtle street		"
Winter—corner of Essex street		"

**In place of Chapman removed to corner of Essex and Ames street.

*This hydrant was formerly at the corner of Pearl and Floral street.

†In place of Lowery hydrant taken out.

ANNUAL REPORT
OF THE
CITY MARSHAL
OF THE
CITY OF LAWRENCE,
MASSACHUSETTS.

FOR THE YEAR ENDING DECEMBER 31, 1910.



LAWRENCE, MASS.
AMERICAN-SUN PRINT,
1910.



IN BOARD OF ALDERMEN,

January 11, 1911.

Accepted without reading.

EDWARD J. WADE, *City Clerk.*

Report of the City Marshal.

LAWRENCE, JANUARY 1, 1911.

TO HIS HONOR THE MAYOR AND THE CITY COUNCIL OF THE
CITY OF LAWRENCE.

GENTLEMEN:—

In compliance with the City Ordinance, I have the honor to submit my report for the year ending December 31, 1910.

The Police Department as now organized consists of:

City Marshal, two Assistant Marshals, one Acting as Captain of Night Watch, Captain of Night Police, one Lieutenant, two Sergeant Night Police, five Inspectors, twenty-four Day Officers, 63 Night Officers, two Drivers of Patrol Wagon, two Keepers of Lockup, ten Reserve Officers. Total number of Patrolmen 79. Total 89. From 89 Patrolmen, 1 Clerk, 2 Wagon men, 2 Drivers, 2 Janitors, leaving 82 Patrolmen for the different routes.

	Male.	Female.	Total.
Whole Number of arrests,	3775	398	4,173
Number of Lodgers accommodated at Police Station,			
Number of Persons locked up for Drunkenness,	2333	260	2,593
American Born,	1720	156	1,876
Foreign Born,	2055	242	2,297
Residents,	2461	311	2,772
Non-Residents,	1314	87	1,401

The offences for which arrests were made are as follows:

	Male.	Female.	Total.
Abandoning Child,	2		2
Adultery,	1		1
Arson,	1		1
Assault,	265	16	281
Assault on Officer,	5		5
Assault with Knife,	2		2
Bail bond, surrendered on,	3		3
Bastardy,	26		26
Bigamy,	1		1
Breaking and Entering,	49		49
Breaking and entering, attempt,	2		2
Breaking glass,	2		2
Capias from Superior Court,	15		15
Conspiracy,	2		2
Concealed weapons, carrying,	26		26
Deserter,	1		1
Criminal Libel,	3		3

	Male.	Female.	Total.
Delirium tremens,	21	1	22
Disturbing the peace,	109	10	119
Drunkenness,	2333	260	2,593
Drunkard, common,	11	1	12
Escaping from imprisonment,	4		4
Evading fare,	1		1
For Officers out of town,	29	2	31
Fraud (including false pretenses),	1		1
Gaming,	12		12
Gaming, present at,	10		10
Idle and disorderly,	11	10	21
Insane,	28	5	33
Keeping house of ill-fame,	10		10
Keeping noisy and disorderly house, ..	3	2	5
Fugitive from justice,	3		3
Attempt, Larceny from Person,	1		1
Larceny,	271	21	292
Larceny from person,	4		4
Lewdness,	33	22	55
Lewd cohabitation,	7	8	15
Liquor laws, violation of (including liquor nuisance)	13	4	17
Malicious mischief,	16	1	17
Delinquent children,	37		37
Neglecting to support family,	42		42
Neglected children,	5	2	7
Runaway children,	8	1	9
Obstructing officer,	4		4
Profanity,	1	1	2
Rape,	2		2
Receiving stolen goods,	6	3	9
Robbery,	3		3
Selling mortgaged or leased property, ..	2		2
Stubbornness,	12	5	17

	Male.	Female.	Total.
Threatening,	6		6
Ringing false alarm of fire,	1		1
Obstructing street car	2		2
Safe keeping,	88	6	94
Trespass,	8		8
Truants,	16	1	17
Unlawful taking horse or team,	4		4
Violation food law,	10		10
Vagrants,	165	4	169
Violating city ordinance,	21		21
Violating health laws,	3		3
Violating park rules,	2		2
Violation building laws,	1		1
Violation probation,	1		1
Total,	3775	398	4,173

DISPOSITION OF ARRESTS.

	Male.	Female.	Total.
Convicted and sentenced,	2402	273	2,675
Continued for sentence,	280	30	310
Cases appealed from sentence,	85	9	94
Cases bound over to Superior Court, ..	68	2	70
Discharged by the Court,	29		29
Not arraigned,	621	49	670
Defaulted,	1		1
Delivered to out-of-town Officers,	56	1	57
Placed on probation,	131	22	153
Dismissed,	40	1	41
Removed to Danvers Hospital,	12	2	14
Removed to General Hospital,	6		6

	Male.	Female.	Total.
Removed to Cottage Hospital,	14	7	21
Removed to Foxboro Hospital,	4		4
Removed to State Hospital,	1		1
Com. to care of State Board,	15	2	17
Returned to parents,	10		10
Total,	3775	398	4,173

MISCELLANEOUS BUSINESS.

Buildings found open and secured,	1,239
Complaints investigated,	3,630
Defective places in streets reported,	496
Disturbances suppressed without arrest,	635
Dogs killed,	74
Fires discovered and alarms given,	24
Fires extinguished without alarm,	62
Intoxicated persons taken home,	852
Injured and sick persons assisted,	229
Electric lights found out of order,	604
Larcenies reported,	353
Lights furnished for dangerous places,	54
Liquor search warrants served,	41
Lost children returned to parents,	349
Number of persons arrested out of town who fled to avoid arrest,	34
Number of persons arrested out of the state who fled to avoid arrest,	9
Search warrants for stolen property served,	31
Stray teams put up,	51
Street obstructions removed,	191
Illegal vendors of liquor reported,	10

STOLEN PROPERTY.

Value of property reported stolen,\$7,759.91
 Value of property recovered and restored to owners,.... 4,501.10

LOST PROPERTY.

Value of property reported lost\$1,352.00
 Value of property reported lost and restored to owners,. 610.00
 Value of property recovered and restored to owners out
 of town,\$1,307.76
 Amount of money taken from prisoners when arrested,
 and returned to same when discharged from Police
 Station,\$7,823.97

PATROL WAGON SERVICE.

Number of times called out,1837
 Removed to Police Station,2031

AMBULANCE SYSTEM.

Removed to General Hospital, 73
 Removed to Cottage Hospital, 25
 Removed to Home Hospital, 22
 Removed to Police Station, 3
 Removed to Emergency Hospital, 1
 Ambulance not required, 9
 Total,133

EXPENDITURES.

Amount of Pay Roll,	\$94,238.36
Amount of Expenses,	7,214.21
Total,	<u>\$101,452.57</u>

Respectfully submitted,

RICHARD H. FOX,

City Marshal.

THIRTY-THIRD
ANNUAL REPORT
OF THE
CITY ENGINEER
OF THE
CITY OF LAWRENCE,
MASSACHUSETTS.

FOR THE YEAR ENDING DECEMBER 31, 1910.



LAWRENCE, MASS.
AMERICAN-SUN PRINT,
1910.

IN BOARD OF ALDERMEN,

February 28, 1911.

Accepted without reading.

EDWARD J. WADE, *City Clerk.*

IN COMMON COUNCIL,

March 6, 1911.

Accepted in Concurrence.

RICHARD J. SHEA, *Clerk.*

Report of City Engineer.

LAWRENCE, MASS., DEC., 31, 1910.

TO HIS HONOR THE MAYOR, AND GENTLEMEN OF THE CITY
COUNCIL:—

In accordance with Section eight of the city ordinances establishing the office of City Engineer, I have the honor herewith to present the thirty-third annual report of this department for the year 1910.

STREETS.

STREETS ACCEPTED IN 1910.

Street.	From	To	Length.	Width.	Date.
		Southerly line			
Jennings	Haverhill	Bellevue Cem.	795	40	May 2
Lynch	Butler	Hampton	254	30	May 16
Myrtle Ct.	Myrtle	Erving Av.	315	20	May 16
Yale	Ames	Westerly	409	40	May 16
Freeman	Melrose	Hancock	334	30	May 16
Ames	Haverhill	Yale	1101	40	May 16
Berman Ct.	Essex	Northerly	224	varying	October 17
Greenfield	Osgood	Shawsheen	1661	50	Jan. 17
Salem	Loring	Shawsheen	727	60	Jan. 17
East	Market	Salem	476	50	Jan. 17
Shawsheen	Market	Salem	570	60	Jan. 17
Market	Osgood	Shawsheen	1511	66	Jan. 17

Total length of streets accepted,.....8377=1.58 miles.

STREETS ON WHICH SOME ACTION HAS BEEN TAKEN.

Street.	From	To	Length	Remarks	Date
Exchange	Park	Alder	480	Grade re-est	April 4
Highgate	Crescent	Bellevue	447	Grade re-est	April 18
E. Pleasant	E. Haverhill	Southerly	299	Relocated	May 16
E. Pleasant	E. Haverhill	Southerly	260	Discontin'd	May 16
So. Broad'y	Falls Bridge	Canal Bridge	325	Grade est.	Dec. 12
So. Union	Exeter	Lynn	1850	Hearing	Dec. 12
Union	Canal	River	397	Hearing	July 11
Lynn	So. Union	Easterly	334	Hearing	Dec. 12
Karschbaum	Elm	Mechanic	265	Hearing	Oct. 24
E. Platt	Ferry	Marston	600	Hearing	March 14
Essex	S.W. corner	Union		Widened	Nov. 8
Marston	N.E. corner	High		Widened	By purchase

Total length of streets accepted in 1910,	1.58 miles
Total length of accepted streets in city about	65.36 "
Total length of old town and county roads about....	25.50 "
Total length of state roads, about	0.27 "
Total length of streets open in the city, about.....	114.63 "

STREET WATERING.

Total cost of street watering, season of 1910,	\$19710.00
Rate per front foot for assessments, .....	.05
Allowed Water Works Dept. for water used, per front foot, .....	.003 $\frac{3}{4}$
Miles of frontages assessed,	5.24
Total amount of assessments,	\$14347.28
Miles of streets watered with car sprinklers,	11.04
Contract price of car sprinkler per month, each....	550.00
Contract price of two car sprinklers for the year,	\$7700.00
Total collections for the year,	\$12751.76

The management of the street watering was the same as in former years.

STREET LINES AND GRADES.

Street lines and grades to the number of ninety-one have been given according to custom, without charge.

STREET GRADES IN LAWRENCE.

- Garden St. from Prospect St. westerly about 600 feet, 11.11%.
- Pleasant St. from the junction of Prospect St. easterly a distance of 715 feet, 11.15%.
- High St. north of Marston for 460, 12.98%, and continuing for a distance of 415 feet, 11%.
- Ames St. from Water St. northerly 1650 feet, 10%.
- Essex St. from Warren St. to Ames, a distance of 1450 feet, has some steep grades; from Milton St. easterly 325 feet, 11%; from Linden to Cypress, 12%.
- Butler St. for about 165 feet east of Milton, 13.33%.
- Grove St. from Prospect to High, runs as high as 12.66% and averages 10% for a distance of 450 feet.
- Pleasant St. east of Woodland, 11.18%.
- Allston St. east of Woodland, 13.1%.
- Prospect Ct. east of Prospect St. 15%.
- Boehm St. for about 150 feet, 13.3%.
- Summit Av. for about 150 feet, 12.6%.
- Canton St. near Prospect, 11½%.
- Providence St. near Ames, 13%.
- Congress St. for 360 feet north of Olive Av. 18.9%.
- Middlebury St. Byron Av. to Olive Av. 16.4%.
- Bellevue St. north of Haverhill, 14%.
- Floral St. north of Hudson Av. 350 feet, 17.73%, the steepest grade being 20.68% for a distance of 118 feet.
- E. Haverhill street, Prospect St. easterly 350 feet, 8%.

So. Broadway, Inman St. southerly 350 feet, 5.3%.

Woodland St., Woodland Ct. southerly 11%.

Platt St., High St. easterly, 10.4%.

PAVING.

PAVING LAID IN 1910.

Street	From	To	Base	Kind of pavem't.	Joint Filler.	Cost per Yard.	Length in Feet.	Area Sq. Yds.	By Whom Laid.
Merrimack	So. Union	westerly	sand	new " granite	"	2.25	604	4255	Holland
Broadway	Canal	Methuen line	concrete	new " granite	"	2.91	6255	34628	Holland
Essex	B & M R.R.	margin	sand	old " granite	"	1.48	1442	5988	O'Mahoney
Hampshire	Oak	Park	"	new " granite	"	1.48	2162	8445	O'Mahoney
Franklin	Essex	Common	"	old " granite	"		200	756	Street Dept.
Lawrence	Common	Oak	"						
Lawrence	Oak	Park	"				2754	12905	"
Hampshire	Centre	Lawrence	"	new " granite	"		366	1057	"
Railroad	Haverhill	northerly	"	old " granite	"		594	2320	"
Essex Alley	Jackson	Newbury	"	"	"		560	871	"
Essex Alley	Amesbury	westerly	"	"	"		89	138	"
Essex Alley	Franklin	easterly	"	"	"		107	166	"
Lawrence	Lowell	Oak	concrete	wood	pitch		455	2187	"
Total lineal feet,							15588	73716	
Total miles,							2.95		

Of the above 20,400 sq. yds. were laid by the city under the direction of the Supt. of Streets, and 53,316 sq. yds. by contract.

CANVASS OF BIDS FOR BROADWAY PAVING.

Bidder	Time of completion	7" Block Gravel base	Concrete base	8" Block Gravel base	Concrete base	4" Block Concrete base
W. J. McGauley	Nov. 15	2.61	3.37	2.80	3.56	3.10
J. Wagenbach,	Dec. 1	2.50	3.20	2.65	3.35	3.10
J. B. O'Rourke & Co.,	Dec. 31	2.55	3.30	2.67	3.42	3.25
Coleman Bros.,	Nov. 1	2.50	3.40	2.60	3.54	3.15
Hassam Paving Co.,	Dec. 1	2.50	3.17	2.71	3.40	2.94
Philip Holland	Dec. 1	2.48	3.04	2.48	3.24	2.91
Lawrence Granite Co.,	Dec. 1		3.25		3.47	2.99
Supt. of Streets,			3.10	2.50	3.20	3.00

The contract was let to Philip Holland for the 4" blocks on concrete base. The specifications for the blocks was as follows:

Length, 6 to 12 inches.

Width, $3\frac{1}{2}$ to $4\frac{1}{2}$ inches.

Depth, 4 to $4\frac{1}{2}$ inches.

A bond to the amount of \$30,000 was required with this contract. The total value of the completed contract was \$100,766.40.

CANVASS OF BIDS FOR PAVING LAWRENCE, ESSEX,
HAMPSHIRE AND RAILROAD STS.

Bidder	Time of Completion	Old granite gravel base	Wood Block concrete base	Hassam Comp. Macadam
Wm. J. Carroll		0.93	1.68	
M. J. McGauley	Nov. 15	0.93	1.65	
J. Wagenbach	Dec. 1	0.84	1.64	3.85
J. B. O'Rourke & Co.,	Dec. 1	1.10	1.90	3.30
M. O'Mahoney Est.,	Dec. 31	0.73	1.53	
Hassam Paving Co.	Dec. 1			1.85
Lawrence Granite Co.	Dec. 1			3.75 1.90
Supt. of Streets		1.00	1.60	

The above bids were for excavation, base, laying and grouting, the city furnishing the blocks, except in the case of the wood block, and the Hassam compressed macadam, when the contractor in addition to the labor was to furnish all the supplies.

The contract was let to the M. O'Mahoney Estate for paving Hampshire and Essex streets. The City Street department laid the paving on Railroad and Lawrence streets.

Bonds to the amount of approximately one-third of the value of the contracts were required.

The total value of the Essex street contract was \$4370.89, and of the Hampshire street contract \$6164.64.

For the paving done in 1910 bids were asked from twenty-seven different firms and individuals.

In addition the Street department laid the paving on Hampshire street, north of Centre, and the various alleys that were paved, as will be seen in the table of paving laid during the year.

Broadway was paved with new four-inch blocks laid on a sand cushion on a cement concrete base, six inches in thickness, at a cost of \$2.91 per sq. yd. The street had previously been paved to Arlington street with granite blocks on a sand base with sand joints. The paving had been laid at various times between 1873 and 1894 and was quite badly worn.

The blocks taken from Broadway were used in paving Essex, Hampshire and Lawrence streets and also the alleyways that were paved. There was not quite enough of the old blocks to complete these jobs, and new blocks were purchased for a part of Hampshire street which the O. Mahoney estate laid, and a part of Lawrence street. Hampshire street above Centre street was laid with new blocks.

As a rule the old edgestone was re-set, new edgestone being laid where none existed before, and only in exceptional cases to replace the old.

The contract for relaying the old blocks on Essex and Hampshire streets was let to the O'Mahoney estate for 73 cents per sq. yd. The value of the old blocks was called 75 cents, making the total estimated cost of the pavement \$1.48 per sq. yd.

The total length of paving laid was 15,588 feet, with an area of 73,716 sq. yds. As the greater part of Broadway had been paved before, the total length of paving where none before existed was 9468 feet, with an area of 40,024 sq. yds.

TOTAL LENGTH AND AREA OF STREET PAVING IN
LAWRENCE.

Material	Length in Feet.	Miles.	Square Yards.
Granite block,	45,700.	8.65	199,474.
Asphalt sheet,	1,755.	0.33	6,707.
Wood,	455.	0.086	2,187.
Brick,	2,240.	0.42	13,034.
Macadam,	127,287.	24.10	406,711.
Total,	177,437.	33.586	628,113.

The granite block includes that laid by the Washington Mills on Canal street.

The brick pavement is that laid by the Pacific

Mills, on Canal, Lawrence and Hampshire streets.

The new macadam laid in 1910 amounted to 30,397 square yards, with a length of 8272 feet, or about 1.57 miles.

The macadam on Winthrop Ave. was laid with Tarvia X, furnished by the Barrett Manufacturing Co., and the new macadam laid on So. Union street was treated with Standard Asphalt Road Oil, prepared by the Standard Oil Co.

The city paid \$2.60 per sq. yd. for the wooden blocks used in the paving, J. Wagenbach & Sons furnishing the blocks.

For the granite block paving used, the city paid for new blocks, Philadelphia size, \$54 per thousand, or about \$1.30 per sq. yd.

The joints of the wood block paving were filled with pitch, at a cost of \$607.31.

SIDEWALKS.

Nearly all sidewalks are laid on petition by lot owners who contract with the city in their petition to pay one half the cost of the same. Where owners do not petition, and public convenience and necessity require a walk constructed, orders are adopted by the Board of Aldermen for such construction, after legal notice and hearing.

Hearings were held during the year for the construction of the following sidewalks:

Street	From	To	Side	Hearing	Constructed
Winthrop	Andover	So. Union	both	March 14	in part
Melvin	Winter	westerly	south	March 28	yes
Winter	Lowell	Essex	both	March 28	yes
Woodland	Pleasant	Platt	both	April 11	in part
Platt	Haverhill	Woodland	both	May 9	no
Howarth	Haverhill	southerly	east	June 13	yes
Essex	B&M R.R.	Margin	both	Aug. 22	yes
Railroad	Haverhill	600 Feet No.	both	Aug. 22	yes
Lawrence	Common	Park	both	Aug. 22	in part
Hampshire	Oak	Park	both	Sept. 12	in part
Cedar	Broadway	easterly	south	Oct. 10	yes
Milton	Butler	northerly	east	Sept. 26	no
Butler	Milton	easterly	north	Sept. 26	no

Bids were called for from fifteen different firms and individuals for furnishing the city with edge-stone and flagging. Two bids were received, and the contract was let to the Lawrence Granite Co., the lowest bidder, for 44 cents per lineal foot for edge-stone, and 35 cents per lineal foot for flagging, delivered on the cars in Lawrence. Five cents per lineal foot was the price paid for hauling. The following table gives the list by months of edgestone furnished.

EDGESTONE FURNISHED IN 1910.

April 30	607.1
May 31	2101.8
June 30	2794.6
July 30	3930.3
August 31	7686.7
September 30	5585.2

October 31	6342.2
November 30	5068.9
December 22	1395.4
	<hr/>
Total,	35512.2 feet

There were no contracts made for coal tar concrete, granolithic walk, or curb, but the prices paid were the same as in former years under similar circumstances, viz:—

New coal tar concrete	45 cents per sq. yard
Top tar concrete,	22½ cents per sq. yard
Granolithic walk	\$1.80 per sq. yard
Granolithic curb	75 cents per lineal foot

The following table gives the quantities of sidewalk paving laid during the year, arranged by months, and by the different contractors.

SIDEWALKS, 1910.

Character of walk	Curb.	Curb Laid.	Length.	Cost.	Ass'mt.
Tar concrete	Granite	1910	23137.53	\$25478.69	\$12219.62
Tar concrete	"	before 1910	7050.13	6637.53	3081.10
Granolithic	"	"	1211.47	2100.03	764.30
Granolithic	"	1910	2858.90	6351.92	3075.12
Granolithic	Granolithic	1910	1670.80	3082.71	1510.10
Earth	Granite	1910	9185.00		
Earth	"	before 1910	1110.00		
Totals,			46223.83	\$43650.88	\$20659.24

The last two items remain unfinished, assessments will be levied when the walks are completed.

A portion of the granolithic walks are in a like condition. About 245 feet of granolithic walk was laid entirely at private cost. The length of the same, but not the cost, is included in the foregoing table.

The accompanying table of granolithic sidewalks includes that around the property of John F. McCarthy on Sheridan street and Prospect street. It was Mr. McCarthy's intention to cut a large elm tree which stood on the corner of his lot. Property owners in the vicinity desired the tree saved, and in consequence on May 16, 1910, on motion of Alderman Callahan, it was voted "that in consideration of John F. McCarthy giving sufficient of his land on Prospect and Sheridan streets for a sidewalk around a tree at that location that the city build a granolithic sidewalk around his premises." In consequence of this

vote the sidewalk was laid out leaving the tree just outside of the edgestone line. An area of 143 square feet of land was taken from Mr. McCarthy's lot. An assessment was levied for its construction, but under the order above referred to, this assessment will presumably be abated when the land taken for the walk is deeded to the city.

EDGESTONE LAID IN 1910 AND IN PREVIOUS YEARS—PERMANENT WALK NOT LAID.

Street.	Location.	Length.
Arlington	NW cor. Hampshire	100.
Eutaw	Nos. 76-80	150.
Park	Both sides, east of Bruce	177.
High	No. 411	44.
Brookfield	Nos. 47-49	100.
Kendall	NE cor. Jordan ave.	68.
Jordan ave.	NE cor. Kendall	146.
Summit	Nos. 14-18-20	156.
Salem	Nos. 254-258	40.
Cambridge	NW cor. Foster	168.
Foster	NW cor. Cambridge	100.
So. Broadway	NW cor. Groton	100.
Boxford	SW cor. Garfield	87.
Garfield	SW cor. Boxford	300.
Stearns		57.
Bruce	Nos. 290-296	100.
Allston	NE cor. Howard	108.
Howard	NE cor. Allston	50.
Howard	SW cor. Pleasant	100.
Howard	NE cor. Pleasant	200.
Pleasant	SW cor. Howard	70.
Pleasant	NE cor. Howard	258.
Pleasant	NE cor. High, easterly	318.
Pleasant	No. 21	50.
Platt	SW cor. Woodland, westerly	310.
Howard	No. 10	102.
Allston	NE cor. Woodland	200.
Lawrence	Both sides, So. of Park	510.
Hampshire	West side, bet. Park and Myrtle	240.
Essex	North side, Margin to Warren	701.
Exchange	Nos. 188-190	40.
Marston	NW cor. Storrow	280.
Texas ave.	Lot No. 154	50.
Garden	SE cor. Union to Spicket	471.
Union	SE cor. Garden to Essex	480.
Union	East side, Essex to Canal	425.
Walnut	SW cor. Lawrence	99.
Lawrence	SW cor. Walnut	65.
Swan	No. 12	50.
Alder	NW cor. Juniper	87.
Juniper	NW cor. Alder	80.
Kendrick	Nos. 25-33	200.
Valley	NE cor. Hampshire	48.
Valley	Nos. 77-79	40.
Montgomery	Nos. 11-15	100.
Hampshire	Both sides, Centre to Lawrence	726.
Bellevue	No. 16	194.
Crescent	NE cor. Haverhill	150.
Canal	NW cor. Prospect	150.
Prospect	West side, Canal to Garden	420.
Woodland	Nos. 30-40	285.
Fitz	SE cor. Lawrence	78.
Dracut	SW cor. So. Broadway	100.
Acton	NE cor. West	84.
West	NE cor. Acton	61.
Park	SE cor. Lawrence	87.
Broadway	Both sides, Charles st. to Methuen line,	335.
Total,		10295.
Laid before 1910,		1110.
Laid in 1910		9185.

CURB LAID PREVIOUS YEARS

CONCRETE LAID 1910.

Street.	Location.	Length.	Cost.	Ass'mt.
Farnham	247-249	45.	48.14	24.07
Abbott	161-173	170.	181.90	90.95
Exchange	182-186	80.	81.50	40.75
Howard	NW cor. Platt	60.	63.90	31.95
Platt	28-30	50.	50.74	25.37
Platt	NW cor. Howard	15.	15.22	7.61
Milton	NW cor. Butler	36.	38.80	19.40
Butler	NW cor. Milton	151.54	167.86	76.96
So. Bro'wy	NW cor. Inman	100.	117.76	58.88
Inman	NW cor. So. Broadway	90.	102.48	43.42
Exeter	104-114	142.	151.94	75.97
Andover	167-175	150.	157.50	78.75
Andover	166-168	50.	54.24	27.12
Water	B & M R R to Ames	3716.25	3362.90	1625.89
Woodland	NE cor. Kress to Pleasant	287.5	317.60	158.80
Elm	SW cor. Newbury	93.	99.50	49.75
So. Union	217-243	168.	156.24	78.12
Railroad	both sides, Hav. to angle	719.49	333.20	166.60
Saunders	NW cor. Park	60.	66.02	33.01
Park	NW cor. Saunders	47.35	49.97	19.57
Chestnut	244-250	60.	22.50	11.25
Chestnut	241	25.	9.38	4.69
Union	NW cor. Methuen	86.	97.78	41.92
Turner	7-21	388.	382.14	186.14
Essex	Bet. B & M and Embankment	95.5	34.48	17.24
Oxford	Champlain N'y	85.	92.64	46.32
Willow	NE cor. Centre	80.	81.20	40.60
Totals		7050.13	6337.53	3081.10

GRANOLITHIC WALKS LAID IN 1910.

Street.	Location	Grano. curb	Length	Cost	Ass'mt.	Replacing
Woodland	NE cor. Katherine		50.00	109.24	54.62	earth
Katherine	NE cor. Woodland		108.00	218.17	98.75	earth
Union	NW cor. Summer		74.67	122.15	50.00	tar con.
So. Union	NW cor. Andover		58.00	138.92	56.50	earth
Andover	Nos. 170-176		100.00	222.00	111.00	earth
Allston	Nos. 55-65		140.00	301.00	150.50	earth
So. Union	NW cor. Merrimack		391.00	677.20	338.60	tar con.
Merrimack	NW cor. So. Union		332.00	1099.40	549.70	earth
Prospect)	(SW cor.					
Sheridan)	(both streets		171.30	364.30	182.15	earth
Prospect	NW cor. Sheridan		15.20	33.14	16.57	earth
Sheridan	NW cor. Prospect		129.30	256.00	128.00	earth
Bailey	SE cor. Phillips		70.00	151.20	75.60	earth
Phillips	SE cor. Bailey		128.00	283.75	130.80	earth
Saratoga	SE cor. Stearns		45.70	89.60	44.80	earth
Stearns	SE cor. Saratoga		67.00	130.40	58.80	earth
Common	Nos. 569-573		42.00	84.78	42.39	tar con.
Union	Nos. 55-61		101.00	207.62	103.81	tar con.
Newbury	NW cor. Brook		98.75	235.90	108.15	earth
Sheridan	No. 19		55.00	110.00	55.00	earth
Sheridan	No. 15		55.00	110.00	55.00	earth
Sheridan	E. W. Bruckman		50.00	99.00	49.50	earth
Salem	No. 34		100.00	258.00	129.00	earth
Loring	SW cor. Salem		65.00	164.44	68.78	earth
Essex	SE cor. Nesmith		69.81	141.76	62.18	earth
Nesmith	SE cor. Essex		116.50	230.66	115.33	earth
Broadway	(Common to Valley		208.00	497.56	241.48	tar con.
	(east side					
Common	NE cor. Broadway		27.00	53.67	14.50	tar con.
Elm	NE cor. Lawrence		35.00	74.90	37.45	earth
Lawrence	NE cor. Elm		103.70	264.05	119.00	earth
Jackson	SE cor. Common		92.00	174.84	87.42	tar con.
Common	SE cor. Jackson		60.00	114.64	48.25	tar con.
Hampshire	NW cor. Lowell		93.60	141.36	70.68	tar con.
Lowell	NW cor. Hampshire		49.00	78.29	32.13	tar con.
Sunset	(Law. to Saratoga					
	(south side	573.0	573.00	1159.76	579.88	earth
Sunset	(Law. to Saratoga					
	(north side	573.1	573.10	1167.98	583.99	earth
Saratoga	(Stearns to Sunset					
	(west side	242.8	242.82	501.88	232.94	earth
Saratoga	NW cor. Sunset	118.6	118.62	253.09	113.29	earth
Ames	NE cor. Essex		70.75	153.52	76.76	earth
Essex	NE cor Ames		103.35	166.25	75.32	earth
Ames	Nos. 91-93		82.00	177.94	88.97	earth
Concord	NW cor. Franklin		64.00	95.81	42.28	earth
Franklin	NW cor. Concord		51.00	76.00	38.00	earth
Byron	Nos. 24-26		50.00	63.20	31.60	earth
Oak	St. Mary's Schools		266.80	481.29	(unfin- ished.	tar con.
Ames	Edson Keef	163.3	163.30		(at priv- ate cost	earth
Merrimack	U. S. Worsted Co.		80.50		(at priv- ate cost.	earth

1670.8 5741.17 11534.66 5349.52

Granite edgestones for the above laid in previous years 1211.47 feet
Granite edgestones for the above laid in 1910 2858.90 feet
Granolithic edgestones for the above laid in 1910 1670.80 feet

Total, 5741.80

SEWERS.

There have been about 22651 feet of sewers constructed during the year, including 2229 feet built at private expense, 698 feet of which now form a part of the city sewerage system and subject to the rules and regulations governing all city sewers.

A sewer 1368 feet long in Margin street, from Butler to Lowell streets, was built with a concrete invert and a brick arch. The remainder of the sewers built in 1910 were of pipe.

Of the above, 123 feet of pipe replaced the same amount of brick sewer, and 1721 feet more replaced pipe sewers of similar length previously laid.

Total length of brick sewers in the city, about.....	100784 feet
Total length sewers with concrete invert and brick arch, abt.	8218 feet
Total length sewers with concrete invert and ledge roof, abt.	1053 feet
Total length sewers of concrete (Bloody brook culvert)	3024 feet
Total length of pipe sewers,	279205 feet
Total length of sewers in the city,	392284 feet

Total cost of construction, not including the cost of

Bloody Brook culvert has been,\$1,430,000
Including Bloody Brook culvert the total cost has been \$1,454,163

SEWERS BUILT AT PRIVATE COST IN 1910

Street	From	To	Mat- erial pipe	Size	Man- holes	Length	Constructed at cost of
Saxonia	E. Pleas't	Ferry		8	2	543.3	(Steinert & (Grunwold.
Silesia	Saxonia	easterly	"	8	1	155.0	"
Hoffman	Marston	Merrimack R.	"	10	4	1530.9	Ewald & Hoffman.
Total,						2229.2	

The last named sewer was not inspected by the Street Dept. during laying, and the city therefore is not responsible for its care.

SEWERS FOR SEWAGE ONLY, 1910.

Location.			Construction.			Excavation.			Cost.			Assessments.			Time	
Street	From	To	Mat- erial.	Man- holes	Length	Ave. cut	Character.	Per foot	Material	Labor	Total	Ass'd.	Abated	Net	Begun	Fin- ished.
Nesmith	Pearl	Essex	Pipe	10	0	273.3	7.8 Hard-pan	1.05	105.64	181.32	286.96	236.86	75.72	161.14	May 16	May 21
So. Union	Grafton	Southerly	"	12	8	1948.1	9.0 Wet sand	2.17	1229.54	3009.07	4238.61	2671.59		2671.59	May 11	June 23
Ohio	Ames	Nesmith	"	10	2	397.9	8.4 Hard-pan	1.94	213.74	557.85	771.59	379.36		307.86	June 22	July 2
*E. Pleas't	Colby	E. Haver'll	"	8	3	595.5	6.5 Sand	1.65			985.00	328.96		97.87		
*E. Haver'll	E. Pleasant	Ferry	"	8	3	775.4	9.3 Hard-pan	1.65			1283.00	909.62		39.61		
*Ferry	Wayne	E. Haver'll	"	8	5	1533.2	7.8 Gravel & Hard pan	1.65			2537.00	1592.46		253.60		
*Leslie	Ferry	Woodland	"	8	1	491.3	7.8 Sand & H'd. pan wet	1.65			813.00	552.65		97.65		
*Woodland	E. Haver'h'll	Southerly	"	8	5	915.9	8.5 Hard-pan	1.65			1516.00	1227.92		130.00		
*Platt	Woodland	Westerly	"	8	2	368.1	8.0 Hard-pan	1.65			609.00	383.49		109.80		
*Ferry	E. Haver'h'll	Northerly	"	8	1	415.3	7.9 Hard-pan	1.65			687.00	421.58		66.57		
*Katherine	Ferry	Woodland	"	8	2	693.7	7.0 Sand & H'd. pan wet	1.65			1148.00	716.09		137.43		
Water	near Ames	Nesmith	"	10	3	515.2	9.6 Hard-pan	2.97	346.11	1184.10	1530.10	213.07		47.45	165.62	July 5
Nesmith	Water	Northerly	"	10	0	462.3	7.7 Hard-pan	2.27	202.28	846.32	1048.60	418.27		153.45	264.82	July 24
*Dale	Alliston	Wood'l'd Ct	"	8	1	281.5	8.2 Gravel	1.65			466.00	298.08		124.69	173.39	Aug. 8
*Wood'l Ct.	Dale	Westerly	"	8	0	234.8	8.0 Gravel	1.65			389.00	247.51		45.21	202.80	
Swan	Berkeley	Easterly	"	10	1	129.5	7.4 Hard-pan	2.44	383.10	1256.82	1639.92	836.88		79.30	757.58	Dec. 23
Berkeley	Swan	Meth. line	"	10	3	672.1	9.5 Hard-pan	2.44	75.69	242.92	318.61				Nov. 7	
2 Saxonia	E. Pleasant	Ferry	"	8	2	543.3										
2 Silesia Ct.	Saxonia	Southerly	"	8	1	155.0										

Total including public and private cost..... 11401.4

*Paid for out of the Ward One Sewer Loan of 1910.

2 Built at private cost, now a part of the city sewerage system.

SEWERS FOR SURFACE WATER ONLY.			
Merrimack	near SoUn'n	Westerly	10 3
Columbus	Haverhill	Southerly	10 1
Totals,			727.6

			231.56	189.00	420.56
			1.01	125.20	277.46
					698.02

April 5 April 15
Dec. 8 Dec. 11

SEWERS FOR SEWAGE AND SURFACE WATER, 1910, BUILT BY CITY.

Location.			Construction.			Excavation.		Cost.		Assessments.			Time				
Street	From	To	Water- Main- Pipe	Size	Length	Ave. cut	Character.	Per foot	Material	Labor	Total	Ass'd.	Abated	Net	Begun	Fin- ished.	
Com'on A'y Franklin	near Low'll	Westerly	"	12	1	123.5	10.8	Sand	5.34	98.24	561.82	237.15	213.59	23.56	April 21	May 20	
Oxford	Bodwell	Jasper	"	10	1	86.0	11.7	Wet sand & muck	6.43	141.95	411.49	329.46	231.81	97.65	May 25	June 2	
Milton	Jasper	Linden	"	10	1	207.5	10.5	Gravel	2.46	134.74	375.41	125.34	80.98	44.36	June 2	June 13	
Linden	Jasper	Pearl	"	10	1	115.0	10.5	Gravel	3.14	87.40	274.52	149.23	92.36	56.87	June 14	June 22	
*Broadway	Lake	Holly	"	18	1	171.4	10.9	Hard-pan & ledge	2.10	93.85	244.45	360.68					
*Lake	Broadway	Westerly	"	18	3	819.2	12.1	Hard-pan & ledge	2.29		1875.98						
Huse	Park	Alder	"	10	2	496.8	8.5	Hard-pan	1.98	241.22	745.05	422.62	214.11	208.51	June 14	July 2	
Oxford	Haverhill	Southerly	"	10	2	55.2	12.6	Sand	3.58	72.86	124.75	197.61			May 25		
Haverhill	Oxford	Easterly	"	10	1	103.2	11.8	Sand	3.58	136.49	233.90	115.77	45.54	70.23	June 14		
Brookfield	Dracut	Chester	"	10	0	250.0	7.6	Sand	1.86	117.10	347.38	135.00	130.00	65.00	July 5	July 13	
Shaws'n Rd	Farnham	Northerly	"	10	1	168.5	6.2	Sand	1.16	88.76	106.17	194.93	103.10	47.13	55.97	July 14	
Essex	Margin	Easterly	"	18	0	181.5	10.3	Sand	3.33	139.68	465.43	605.11	153.29	97.63	55.66	July 21	
Chester	SoBroad'y	State	"	10	1	204.0	8.2	Sand	1.24	89.95	163.65	253.60	136.49	71.56	64.93	Aug. 1	
*Lawrence	Maple	Fitz	"	12-10	1	656.2	14.9	Sand	1.65			2404.64	443.52	229.61	Aug. 8	Aug. 8	
xAllston	Woodland	Howard	"	8	1	358.0	7.1	Hard-pan	3.66			592.00	461.83	185.58	Aug. 8	Sept. 28	
Water st. A'y	Melrose	Mason	"	15-12-10	7	1013.0	8.0	Sand and peat	1.65	703.45	2257.04	1001.63	130.00	871.63	Aug. 8	Sept. 22	
Chester	Clifton	Brookfield	"	10	1	519.0	9.1	Sand and ledge	2.92	221.30	1043.13	1264.43	543.90	348.90	Aug. 22	Sept. 30	
Garden	Allen	Middle	"	12	1	165.5	11.3	Sand	2.43	125.20	293.42	418.62			Sept. 22	Sept. 30	
Middle	Garden	Summer	"	12	3	432.0	9.2	Sand	3.53	595.84	2236.31	2572.15			Sept. 30	Nov. 5	
Tyler	Newton	Easterly	"	10	1	474.4	7.7	Sand and rock	5.95	216.04	500.78	716.82			Oct. 14	Nov. 1	
Durham	near New'n	Easterly	"	10	1	124.3	6.3	Sand	1.51	89.14	151.70	240.84	135.00	135.00	Nov. 1	Nov. 8	
Front	SoBroad'y	Westerly	"	10	1	369.0	5.9	Sand	1.93	171.21	195.79	367.00	310.63	295.32	Nov. 8	Nov. 14	
Allston	Pleasant Ter.	Westerly	"	10	1	143.3	9.6	Hard-pan	1.08	102.29	366.53	468.82	137.15	49.38	Nov. 14	Nov. 25	
Marion	Cantillon	Lawrence	"	10	1	230.2	8.4	Sand	3.27	117.19	330.27	447.46			Nov. 25	Dec. 2	
Margin	Bodwell	Lowell	Brick	39		1368.0	14.6	Sand	1.94								
Hoffman	Marston	Merri'k R.	pipe	10	4	1530.9		Sand	30.10		44953.17						
																3208.71	
																65139.37	
																10522.3	

SEWERS WITH CONCRETE INVERT.

Street.	Sewer Main.	Year	Size in inches	Length.	
				Concrete invert brick arch.	Concrete invert ledge roof
Broadway and Private land	Water street	1892	72		260.00
So. Broadway	Shanty pond, Sec.1	1895-6	70	362.40	147.35
Wolcott	Shanty pond, Sec.1	1895-6	70	117.00	496.14
Wolcott	Shanty pond, Sec.2	1897-8	72	253.00	150.00
Everett	Shanty pond, Sec.3	1898-9	72	539.00	
Clifton	Shanty pond, Sec.4	1900-1	45	290.50	
Clifton	Shanty pond, Sec.5	1902	45	346.15	
Salem	Everett, easterly	1899	24x33	237.00	
Oxford	Medford to Low'll	1903	36	1184.20	
Osgood	Market to Salem	1907	54	488.80	
Salem	Osgood to So. Un'n	1907-8	54	1106.20	
So. Union	Salem to Andover	1908	42	1053.00	
Private land	Fairmont	1908	30	873.10	
Margin	Bodwell to Lowell	1910	39	1368.00	
Totals				8218.35	1053.49

A hearing was held on Monday evening, April 11, 1910, and an order was passed on April 27, taking the right of way for a sewer running westerly through the low ground from Melrose street toward Mason street. Complaints had been made of sickness caused by the unsanitary condition of the locality, owing to stagnant water there.

The sewer was laid with tight invert and open jointed top to allow the drainage of the soil, and the stagnant water complained of was permanently drained off.

In accordance with an order of the Board of Aldermen, surveys were made of the district on the westerly slope of Tower Hill. Profiles were taken over various streets, and a plan devised for the sanitary drainage of the district. The final disposal of the sewage of the section, however, was not definitely determined upon. Four schemes have been considered, all of which are open to objections. The State Board of Health has been asked, unofficially, to assist in the settlement of this question.

The plan provides for the separate disposal of the sewage and the surface water.

On the evening of March 3, without any previous warning, the earth settled over a section of the Spicket Main Sewer in the rear of the building at the

south easterly corner of Fitz and Lawrence streets, leaving a large hole, sixty or more feet long and wide in proportion. On examination it was found that the arch of the sewer had fallen, and the earth above it had been carried into the sewer.

Steps were immediately taken to repair the break. All the water running into the sewer above was diverted as far as possible to the Spicket river, and the remainder, while the concrete bottom was being put in, was sluiced over the work.

The invert was relaid with concrete, the arch turned with brick, and the earth, which had been carried into the sewer, was cleaned out.

SEWERAGE STATISTICS.

GENERAL.

Population of Lawrence, census of 1910,	85,892
Area of city, exclusive of Merrimack river, square miles..	6.75
Area served by sewerage system, square miles,	3.58
Population served by sewerage system,	84,316

COLLECTION SYSTEM.

For sewage only, miles,	6.72
For sewage and surface water, miles,	65.78
For surface water only, including Bloody Brook, miles,...	1.78
Total miles,	74.30

COLLECTION, LINEAL FEET.

	Sewage only	Sewage and Surface water.	Surface only
Lineal feet brick sewers,		96892.	3892.
Lineal feet of ledge and concrete sewers		1053.	
Lineal feet brick and concrete sewers, ..		8218.	
Lineal feet concrete sewers, Bloody Brook culvert,			3024.
Lineal feet pipe sewers, 35519.	241181.		2505.
Lineal feet extended during the year, .. 11401.	10522.		728.
Number of inverted syphons,			1.
Number of manholes,			1414.

Method of flushing: Fire hose and nozzle with city water service pressure.

Number of cleanings,	72.
Miles of permanent underdrains,	0.14
Number of storm overflows,	12

Method of ventilation: Open outlets, and perforated manhole covers.

Method of disposal: Discharge direct into the Merrimack river.

HOUSE CONNECTIONS.

House connections are made by plumbers or by contractors engaged exclusively in this work.

Size of house connections, generally,	6 inches
Number made during the year,	134
Cost of house connections, per lineal foot, average,...	50 cents
Number of stoppages in house drains reported,.....	106

CATCH-BASINS.

Number of catch basins in the city,	1364
Number of catch basins built during the year,.....	93.
Average cost of catch basins in 1910, including sewer connections,	\$61.50
Number of catch basins cleaned during the year,	2760
Total cost of cleaning catch basins,	\$7176.
Cost per catch basin for cleaning,	\$2.60

FINANCIAL.

	Receipts	Expended	Balance
Osgood St. Sewer Loan of			
1907,	15.35°		
Osgood St. Sewer Loan of			
1908,	3.87°		
Ward One Sewer Loan of			
1908,	104.98	104.98	
Ward One Sewer Loan of			
1910,	10,000.00	10,000.00	
Ward Five Sewer Loan of			
1910,	70,000.00	44,953.17	25,046.83
Collections,	1,654.96	43,209.97x	
Assessments collected,	7,838.02		
Appropriation,	19,500.00		
Transfer for overdraft,	14,197.77		
	<u>\$123,314.95</u>	<u>\$98,268.12</u>	<u>\$25,046.83</u>

°Transferred to ordinary sewer fund.

xOrdinary sewer expenditure.

RECEIPTS, ORDINARY SEWER FUND.

Balance from the year 1909,	\$ 19.22
Appropriation,	19,500.00
Collections,	1,654.96
Assessments collected,	7,838.02
Transfer to balance overdraft,	14,197.77
Total expenditure,	\$43,209.97

EXPENDITURES FROM ORDINARY SEWER FUND.

For sewers,	\$16,796.05
For new catch basins, about	5,720.00
For manholes on old sewers, about	1,000.00
For maintenance and administration,	19,693.92
Total expenditure,	\$43,209.97

OTHER DATA.

Total cost of collecting sewers, about,\$1,430,000

Bonded sewer debt to date is not known, as it has been included in a general municipal improvement loan.

Average rate of interest on bonds,4%

Average proportion of cost of system assessed on abutters 20.9%

Yearly assessment for maintenance is included in the general tax levy.

Rate of assessing abutters on sewers for construction is $6\frac{1}{2}$ mills per square foot to one hundred feet back from the street line. Corner lots are assessed but once.

SEWER IN PRIVATE LAND NORTH OF
WHITMAN STREET.

The following report, made because of a request from Mr. Flynn, owner of the land through which said sewer runs, is self explanatory.

April 4, 1910

To His Honor, the Mayor, and Gentlemen of the
Board of Aldermen of the City of Lawrence:—

Gentlemen:—

On March 4th, 1910, in Board of Aldermen, it was "Ordered: That the city engineer be and hereby is authorized and directed to investigate and report to this board at its next regular meeting by what authority a sewer or drain was constructed through private land on Whitman street, and what right private individuals residing in Methuen have acquired to drain their premises into said sewer, and also the assessments that have been paid to the City of Lawrence."

In accordance with the above order I find that in 1888 or 1889 the Town of Methuen constructed this sewer, and I am informed by the town clerk of the Town of Methuen that the Treat estate which

then owned the land referred to on Whitman street, gave the town permission to lay the sewer through said land, and was the principal petitioner for its construction in order that the other land belonging to said estate, located in the Town of Methuen north of Whitman street, could be drained.

The sewer continues northerly from Whitman street, crossing Kirk and Annis streets, passes through six lots of private land and runs to the centre of Centre street. It drains an area of about $14\frac{1}{4}$ acres of the Town of Methuen.

The Town of Methuen has constructed sewers in Annis and Centre streets and connected same with the sewer which runs through the private land to Whitman street. The town has permitted private individuals to drain their premises through this sewer.

The right to connect it with the sewer running down Wyman street belonging to the City of Lawrence was acquired by the following order and agreement: August 23d, 1888, in Board of Aldermen, "the following was adopted, Ordered: that His Honor the Mayor, on behalf of the City, be and hereby is authorized to execute a contract with the Town of Methuen whereby on the payment by the said town of the sum of nineteen hundred and forty-three dollars,

and the additional sum of thirty-three dollars annually said town be allowed to enter and use the common sewer of said city in Wyman street." Recorded in volume 12, page 105, of the aldermanic records.

November 28, 1888, in Board of Aldermen, "the following was adopted, Ordered: that the Town of Methuen, for the additional sum of \$300, and an additional annual rental of \$9.50 be allowed to drain an additional area through the Wyman street sewer bounded as follows: southerly by a line 100 feet northerly from and parallel to the north line of Centre street; easterly by the westerly line of Merrill street; northerly by the southerly line of Brown street and westerly by the centre line of Broadway." Recorded in volume 12, page 133, of the Aldermanic records.

By authority of the above orders the following agreement was entered into: "This agreement made the 17th day of December, 1888, between the City of Lawrence, a municipal corporation, and the inhabitants of the Town of Methuen, in the County of Essex, Witnesseth: that whereas the said City of Lawrence has constructed a common sewer in Wyman street in said city, and whereas the said inhabitants of the Town of Methuen are desirous of enter-

ing said common sewer with a sewer extending from the limits of said town and draining the territory shown on the annexed plan and no more, and of hereafter using said common sewer, it is hereby agreed that for the aforesaid privilege the said inhabitants of the Town of Methuen shall pay the said City of Lawrence the sum of twenty-two hundred and forty-three dollars, (\$2243.), on or before the signing of this agreement, and shall thereafter pay the further sum of forty-two and 50-100ths. dollars (\$42.50), annually, the first payment to be made on the 31st day of December, 1889, and in consideration thereof the said City of Lawrence hereby grants the said inhabitants of the Town of Methuen the right to connect with said common sewer, and to use the same as aforesaid.

“In witness whereof the said City of Lawrence has caused its corporate seal to be affixed, together with the signature of its Mayor for that purpose duly authorized, and the said inhabitants of the Town of Methuen have caused the seal of said town to be affixed, together with the signatures of the selectmen of said town for that purpose duly authorized, the day and year first above written.

CITY OF LAWRENCE,

By Alvin E. Mack, Mayor.

JOHN W. FREDERICK,
JOHN H. GEORGE,
GEORGE W. SAWYER,

Selectmen of Methuen.

The above agreement is on file in the city clerk's office.

As required by this agreement the Town of Methuen paid the City of Lawrence in the year 1888 the sum of \$2243.00, and has since paid twenty-one annual payments of \$42.50 each. The total amount paid to the City of Lawrence by the Town of Methuen for the drainage of this section to date has been \$3135.50.

I think the above answers the three questions contained in the order of March 14, 1910, first quoted.

Respectfully submitted,

ARTHUR D. MARBLE,

City Engineer.

BLOODY BROOK CULVERT.

A contract was let to M. O'Mahoney in 1909 for the construction of Bloody Brook Culvert, for \$6.19 per running foot. The price was later increased by 50 cents per running foot, for the construction of a

10-inch underdrain. The culvert is built of concrete, with a curved invert, and flat top. The top and sides are reinforced with steel rods. The size of the culvert is approximately 4.5x5.5 feet inside dimensions, with a sectional area of 25.14 square feet. The sectional area of the concrete is about 16.75 square feet.

The price bid was so much lower than was anticipated, that the amount of the original appropriation, \$10,000, would allow more of the culvert being constructed than was bid on. The O'Mahoney Estate agreed to construct any additional length of the culvert that the City might desire for the same price, so a further appropriation of \$9,000 was made that the whole length of the culvert in Lawrence could be constructed from the town line to the Spicket river. It was later continued into the Town of Methuen to the State Highway at the expense of the lot owners.

Excavation was begun in the fall of 1909, but work on the culvert was not commenced until the following spring. The work was completed in September. The Supt. of Streets employed an inspector on the work during its time of construction.

The length of the culvert built was 2483.9 feet. The length of the culverts under East Haverhill and Vine streets, which were pointed up, and a concrete bottom put in, was 133.5 feet. The total length of the underdrain laid was 2712. feet.

The entire length of the culvert from the Spicket river to the town line, including the sections built by the city in Sheridan, Logan and Custer streets, is about 3024 feet.

The amount paid the O'Mahoney Estate, including extras in the contract, has been \$15,903.28. There still remains due on the contract \$1673.13, or ten per cent. of the amount of the contract, which will be paid April 30th, 1911, if all the requirements under the contract are then complied with.

The total amount charged to the Bloody Brook appropriation, including the inspector's wages, catch-basin frames and covers, etc., has been \$16,509.78. The total cost of the work on the culvert in 1909-10 has been \$18,182.91. Additional work done by the Street Dept. in the construction of catch-basins, which was paid for by that dept., could properly have been charged to the Bloody Brook appropriation.

The cost of the whole culvert in the city, from the river to the town line, including the sections built by the Street Dept. in 1904 and 1907, has been \$24,163.16.

REPORT ON COVERING THE SPICKET RIVER

September 6, 1910.

To His Honor, the Mayor, and Gentlemen of the
City Council:—

On January 10, 1910, the Board of Aldermen ordered the City Engineer to prepare plans for, and estimate the cost of covering the Spicket river from Broadway to Rutter Bros.' dam. The order passed the Common Council, January 17, was submitted to the Mayor, January 26, and returned without his approval, January 27.

The City Engineer was called upon about the same time to make so many paving and sewer estimates, and as a large amount of work was necessary to be done in the nature of surveys of the river bed and banks, that little was done toward an estimate of cost.

The design for the river channel and covering contemplates a reinforced concrete conduit of a size sufficient to accommodate the river in times of greatest flow. It will be covered with earth, and when

completed could be available as a playground.

Recently this department has been requested to make an estimate of the cost of this work in accord-
proposed work, your City Engineer is of the opinion
ance with the original order. From information
which this office possesses in its records, without the
surveys really necessary for a careful study of the
that the covering of the Spicket river would cost
about five hundred and eighty-four thousand dollars
(\$584,000.)

ARTHUR D. MARBLE,

City Engineer.

SPICKET RIVER.

The Spicket River Commission of 1909 have continued their work of improving the conditions of the river during the present year.

This work has included the construction of the Broadway and Lake street sewers, the purpose of which was to take the dye liquors from the Arlington Mills out of the river and conduct them to the Spicket Main sewer; the construction of a sewer in Lawrence street from Maple to Fitz streets for the convenience of abutting property which had discharged its wastes into the Spicket river ;the im-

provement of the sewer in Marion avenue running east from Hampshire street which takes the sewage from the jail; the construction of a manhole on the Short street sewer, designed to prevent frequent overflows into the river; the preliminary arrangements for the purchase of the Rutter Bros.' dam and water rights just east of East Haverhill street and the payment of \$1000 on account, special appropriation for the same having been made by the City Council; the opening of the gate at the dam, thereby lowering the water in the river to the dimensions of an ordinary brook; the dredging of the channel east of East Haverhill street, the filling of the mill pond in the same locality, and the general cleaning of the river channel of all sorts of rubbish for its entire length.

An appropriation of \$10,000 was made in 1909 and placed in the hands of the Commission for the improvement of the river and \$7592.39 has been expended. This does not include the \$1000 spent to bind the bargain for the purchase of the Rutter dam, but does include amounts still due on the two sewer contracts.

PARKS AND PLAYGROUNDS.

Grades and lines were given for the setting of the curbing around Crescent Park at the junction

of Crescent and Highgate streets. The contract for furnishing and setting the stone was let to A. N. Trussell in the fall of 1909, and the work was completed early in the spring of 1910. The work included about 204 feet of straight and 37 feet of curved stone, and the contract price was \$390.

Plans and specifications were prepared, and grades given for grading the playstead in ward one at the junction of East Haverhill and East Pleasant streets. The size of the playstead is 300x330 feet, and the slope in the length of the ground is one and one-half per cent. The work included the moving of 4200 cubic yards of material from one part of the grounds to another, and the purchase and hauling of 3800 cubic yards additional from other source, to complete the work.

The job was let to John W. McCarthy for \$2450, and it was satisfactorily completed in Oct. 1910.

Nine bids for the work were received by the Park Commission, ranging from the price above named to \$4000.

Cross-sections, plans and estimates were prepared for the construction of a playground on Alder street opposite the Tarbox school. The land had been purchased the year before. An appropriation of \$5000 was made for grading, fencing and equip-

ment, and the expenditure of the same was placed in the hands of the Supt. of Schools, the principal of the Tarbox school, and the Supt. of Public Property.

No work on the ground in the line of converting it into a playground was done.

WATER WORKS.

The plans belonging to the Water Works Dept., showing the pipe lines throughout the city were corrected and brought up to date.

Lines were given for a pipe on Salem Turnpike from Chickering street to the Shawsheen river, a distance of about 1800 feet.

A survey was made and a plan prepared for the use of the water department in securing a location for a pipe line across the B. & M. R. R. and other private land from South Union street to South street, beyond the Cold Spring Brewery.

A survey was made for a wrought iron fence around the reservoir. Plans and specifications were also prepared for the same, and the Water Works Dept. called for bids and contracted for its construction with the Enterprise Foundry and Fence Co. of Indianapolis, Ind., at a total cost of \$4306.62. The fence is 2113 feet long, and five feet high, with three entrance gates, all supported by 60 posts.

MISCELLANEOUS.

Surveys and plans were made for various court cases, and for accident claims against the city.

Batters were set for the John Breen School; for the laundry at the Poor Farm; and for a laundry at the Tuberculosis Hospital.

Batters were reset for the new engine house on the north westerly corner of Lowell and Oxford streets.

Grades and lines were given free of charge for the construction of buildings or fences to 87 different persons.

An examination and report was made on the condition of the Broadway paving which was printed in the daily papers of the city last August.

PLANS.

Number of plans made in 1910.....	135
Added to the files.....	105
Number on file, about.....	5018

COMMITTEE ON ENGINEERING FOR 1910.

MAYOR,

ALDERMEN JORDAN AND TOBIN,

COUNCILMEN DOOLEY AND SPENCER.

FORCE

ARTHUR D. MARBLE, *City Engineer*,

ROBERT W. PRIESTMAN,

EDWIN C. MERRILL,

ROBERT W. WELTSHE.

EXPENSE

Department expenses for the year 1910,	\$7099.11
Appropriation,	\$5400.00
Transfer to balance,	\$1699.11

SIXTY SECOND
ANNUAL REPORT
OF THE
CHIEF ENGINEER

OF THE
LAWRENCE FIRE DEPARTMENT
OF THE
CITY OF LAWRENCE, MASSACHUSETTS.

FOR THE YEAR ENDING DECEMBER 31, 1910.



LAWRENCE, MASS.
AMERICAN-SUN PRINT,
1910.

IN BOARD OF ALDERMEN,

April 10, 1911.

Accepted without reading.

EDWARD J. WADE, *City Clerk.*

IN COMMON COUNCIL,

April 17, 1911.

Accepted in Concurrence.

RICHARD J. SHEA, *Clerk.*

Chief Engineer's Report.

Headquarters Fire Department,
Central Fire Station, Lowell Street,

December 31, 1910.

To His Honor, the Mayor, and the City Council of
the City of Lawrence.

In compliance with the requirements of the City ordinance governing the Fire Department of the city of Lawrence, I herewith submit to you the sixty-second annual report for the year ending December 31, 1910.

The report includes a detailed statement of the receipts and expenditures of the department during the year, also a roster of the Fire Department and an inventory of the property of the department. It also includes a record of all alarms and fires, the cause for the same, the location of the property endangered, the names of the owners and occupants of buildings visited by fire and the amount of losses on buildings and contents; also the amount the build-

ings visited by fire were insured for and the insurance paid for fire losses. In the report will be found such other information concerning the department as to me, seems proper for your consideration.

The fire losses during the year has been small. The department has been fortunate in averting conflagrations; the arrival at the scene before fires have spread to damaging proportion has greatly aided the department in its showing of keeping the fire losses at such an exceedingly low amount.

The fire losses for the year amounted on buildings and contents to \$129,547.46.

FINANCIAL EXHIBITS.

RECEIPTS.

Appropriated	\$69,000.00
Receipts	269.48
Transfers	38,195.86
	<hr/>
	\$107,465.34

EXPENDITURES.

Board of Engineers' salary	\$ 2,390.51
Permanent men's pay roll	60,280.88
Call men's pay roll	17,215.83
	<hr/>
	\$79,887.22

SUPPLIES AND REPAIRS.

	\$79,887.22
Hay and grain	\$7,051.89
Horse shoeing	1,338.70
Harness repairs	231.70
Apparatus repairs	5,868.29
Horses	3,350.00
Hose	579.00
Fuel	2,517.42
Gas and electric lights	1,312.50
Beds and bedding	191.54
Medicine and attendance	491.62
Printing	393.62
Telephones	301.41
Kerosene oil	76.30
Soda and vitrol	96.67
Furniture	108.03
Stable supplies	341.62
Stationary	29.52
Hardware	500.51
Miscellaneous	2,797.78
	<hr/>
	\$27,578.12
	<hr/>
Total expenditures	\$107,465.34

NUMBER OF ALARMS FOR YEAR 1910.

Bell alarms	140
Still alarms	226
Automatic alarms	5
	<hr/>
Total alarms,	371

The following signal boxes have been used in giving alarms and the number of alarms from each box follows:

Box Number.	Number of Signals.
12	8
13	1
14	8
15	4
17	9
18	5
19	3
112	3
114	2
115	1
116	1
117	1
121	2
124	2
125	2
131	3
132	2
144	1
152	1
21	2
23	6
24	2
27	2
28	1
212	1
214	2
224	1
227	3
242	1

Box Number.	Number of Signals.
31	1
32	4
34	3
35	1
36	2
37	2
38	3
312	1
341	1
343	1
361	1
46	2
5	1
52	2
54	5
6	2
61	1
7	2
71	5
72	4
73	4
74	4
76	1
83	2
84	4
85	1

LOSSES, INSURANCE, ETC.

Value of buildings endangered by fire,	\$1,406,545.00
Loss on buildings	88,290.24
Loss on contents	41,257.22
Total loss	129,547.46

Value of contents	353,972.58
Insurance on buildings	818,809.00
Insurance on contents	246,192.50
Insurance paid on buildings for fire losses	38,870.33
Insurance paid on contents for fire losses	34,229.22
Total insurance paid for fire losses	73,099.55
Losses not insured	56,447.91

The following table shows the number of alarms and the fire losses, annually, in Lawrence from 1886, inclusive.

For the Year.	No. of Alarms.	Loss.
1886	74	\$103,148.36
1887	76	262,443.87
1888	86	8,832.61
1889	66	7,305.35
1890	94	9,416.90
1891	88	12,578.26
1892	77	30,131.79
1893	107	22,633.63
1894	171	99,485.41
1895	147	51,574.81
1896	126	214,039.15
1897	129	67,588.66
1898	144	26,501.84
1899	172	39,003.15
1900	178	16,526.67
1901	169	13,737.69
1902	191	36,360.56
1903	276	39,607.52
1904	203	33,246.35
1905	272	49,379.62
1906	292	49,814.55

1907	305	168,117.51
1908	277	72,210.06
1909	354	47,407.60
1910	371	129,547.46

CAUSES OF FIRES AND ALARMS.

Automatic alarms	6
Burning brush	28
Burning rubbish	30
Burning fat on stove	5
Boys set fire to waste paper in box	5
Boys set fire to grass	21
Children and matches	21
Chimney fires	34
Carelessness with matches	10
Defective chimney	8
Drying plaster	2
Electric wires	13
False alarms	6
Fire-works	8
Gas stove	3
Gasolene	8
Gas jet	1
Hot ashes in box and barrels	13
Kerosene stove	3
Overturned lamp	4
Overheated stove	5
Overheated baker's oven	1
Overheated pressing iron	2
Needless alarms	5
Lamp set fire to draperies	9
Rags in closet	1
Rubbish in street on fire	5
Rats and matches	7

Smoky furnace	3
Smoky stove	7
Smoking	17
Sparks from chimney	5
Sparks from wood picker	1
Sparks from engine	3
Slacking lime	1
Sparks from fire under boiler	1
Sparks from picker machine	1
Spontaneous combustion	4
Thawing out water pipes	11
Unknown	52
Incendiary	1

MANUAL FORCE.

The manual force of the department is as follows:

Men Permanently Employed.

Chief	1
Captains of companies	10
Lieutenants of companies	1
Drivers of apparatus	19
Spare drivers and hosemen	18
	—
Total permanent men	54

Call Men.

Assistant engineers	2
Lieutenants of companies	3
Engine men	4
Assistant engine men	4
Hosemen	43
Laddermen	11
	—
Total call men	67
Permanent men	54
Call men	67
	—
Total	121

CONCLUSION.

In conclusion I extend my thanks to all those who have assisted me during the year in my duties, and especially the assistant engineer, Edward F. Toye.

I will say that the officers and members of the fire companies have been prompt and faithful at all times.

My thanks are due to Honorable John P. Cahill, Mayor of the City, to the members of the committee on Fire Department and members of the City Council for the co-operation they have extended in advancing the interests of the department; also the City Marshal, Richard E. Fox, and the officers and members of the Police Force for the able and prompt assistance rendered by them on the occasion of fires.

My thanks are due to the Superintendent of the Water Department, Michael F. Collins, and the members of the Water Department for the able and prompt assistance rendered at fires.

WILLIAM MACREADIE,

Acting Chief Engineer.

MUTUAL RELIEF ASSOCIATION.

The Mutual Relief Association was organized March 18, 1878. The organization has for its purpose the relief of its members who have received injuries while in discharge of their duties as members of the Fire Department. The association is in an excellent condition, its funds are deposited in the savings banks of the city. The income of the organization is derived from an annual assessment of its members and profits of the annual ball of the association and the donations from citizens.

The funds have been judiciously managed and the officers and members have at all times been watchful of the interests of the association.

During the year ending December 31, 1910, the amount paid to members entitled to relief was \$488.46.

The following is a roster of the officers of the Mutual Relief Association.

FRED T. GILMAN, VICE-PRESIDENT.

J. T. LARTER, SECRETARY.

F. S. TURNER, TREASURER.

ROSTER OF THE DEPARTMENT.

ACTING CHIEF ENGINEER,

WILLIAM MACREADIE,

Residence, 31 Byron Avenue

SECOND ASSISTANT ENGINEER ACTING CLERK,

EDWARD F. TOYE,

Residence, 226 Salem Street.

CHIEF'S DRIVER,

DANIEL J. O'NEILL,

Residence, Central Fire Station

COMMITTEE ON FIRE DEPARTMENT,

MAYOR,

JOHN T. CAHILL, CHAIRMAN.

ALDERMEN,

MICHAEL A. SCANLON,

WILLIAM CALLAHAN.

COUNCILMEN,

BERNARD J. KEAVENY, MICHAEL J. DOOLEY,

JOHN J. NUGENT, JR., L. MORTON TAYLOR, DAVID NOONAN.

NOS. 1 AND 2 LADDER TRUCKS, Central Station, Lowell Street.

WATER TOWER.

NAME.	RANK.	RESIDENCE.	OCCUPATION.	Age	No. Badge	Years Service
D. E. Carey	Captain	13 Bradford St.	Permanent Fireman..	41	76	19
W. W. Smith	Lieutenant	128 Franklin St.	Permanent Fireman..	41	140	16
H. F. Morse	Call Lieutenant	11 Concord St.	Painter	60	6	28
D. W. Morrison	Driver	Central Station	Permanent Fireman..	39	18	19
J. McCreddie	Driver	487 Haverhill St.	Permanent Fireman..	45	3	15
W. J. Young	Spare Driver	186 Lawrence St.	Permanent Fireman..	38	97	9
A. Bergeron	Spare Driver	15 Butler St.	Permanent Fireman..	37	15	10
J. E. Costello	Spare Driver	68 Myrtle St.	Permanent Fireman..	38	94	8
F. A. Sullivan	Spare Driver	68 Bunkerhill St.	Permanent Fireman..	29	118	2
F. Bingham	Call Ladderman	179 West St.	Concreter	44	60	15
J. Crilley	Call Ladderman	35 Cross St.	Teamster	55	19	14
W. T. Doyle	Call Ladderman	5 Winslow Place	Carpenter	47	2	12

NOS. 1 AND 2 LADDER TRUCKS, Central Station, Lowell Street.

WATER TOWER.

NAME.	RANK.	RESIDENCE.	OCCUPATION.	Age	No. Badge	Years Service
J. McGrath	Call Ladderman	.....22 Sargent St.	.....Electrician	47	89	13
R. Graham	Call Ladderman	.....25 Spruce St.	.....Clerk	27	201	5
Frank Gibson	Substitute	.....335 Chestnut St.	.....Labor	37	208	6
A. T. McCormick	Substitute	.....68 Berkeley St.	.....Electrician	24	161	1½
W. J. Hayes	Substitute	.....107 Lexington St.	.....Teamster	29	108	1

The property owned by the City in charge of this company is as follows: One City truck built by C. N. Perkins Co. with 410 feet of ladders, one cellar pipe, six axes, seven pitch forks, eight plaster hooks, two steel bars, three door openers, six shovels, one Vajen badger, smoke protector, one life line gun, two three-gallon chemicals and other tools; one aerial ladder truck with 279 feet of ladders, one life net, one cellar pipe, three axes, two shovels, three plaster hooks, one door opener, one steel bar, one 60-foot Hale water tower, with equipment, eight horses, six are on ladder trucks, one on fire alarm work, one spare horse; six harness on ladder trucks, two harness for fire alarm, two wagons, one sleigh, three harness for exercising, eight beds and bedding, and furniture.

NO. 2 ENGINE AND HOSE COMPANY, Station, Garden Street.

NAME.	RANK.	RESIDENCE.	OCCUPATION.	Age	No. Badge	Years Service
J. J. Arundel	Captain	Engine House	Permanent Fireman..	38	45	14
J. J. McCormick	Lieutenant	Engine House	Permanent Fireman..	47	33	19
J. P. McLeod	Call Lieutenant	43 Newbury St.	Electrician	51	28	22
C. F. Lucier	Hose Driver	Engine House	Permanent Fireman..	48	84	18
P. R. Hemmerling	Engine Driver	Engine House	Permanent Fireman..	36	20	15
J. J. King	Hoseman	Engine House	Permanent Fireman..	35	147	10½
A. P. Qumby	Engineman	102 Summer St.	Janitor	61	23	28
T. P. Brideau	Call Hoseman	20 Orchard St.	Carpenter	56	27	22
R. E. Henderson	Call Hoseman	30 Hawley St.	Real Estate Dealer...	50	30	23
E. F. Flynn	Call Hoseman	123 Newton St.	Gardener	52	25	20
R. H. Smith	Call Hoseman	28 Orchard St.	Electrician	41	21	14
W. J. Young	Call Hoseman	41 Haverhill St.	Clerk	31	179	7
J. F. Ford	Call Hoseman	44 Thorndike St.	Carpenter	35	215	5½
F. R. Gens	Call Hoseman	91 Park St.	Cigar Maker	25	210	4
A. Cowperthwaite	Call Hoseman	45 Newbury St.	Painter	29	209	2

J. W. White	.....	Substitute	.....	103	Haverhill St.	.....	Teamster	.....	38	141	1½
J. W. Stoney	.....	Substitute	.....	53	Newbury St.	.....	Operative	.....	33	17	1½
P. H. Juenger	.....	Substitute	.....	117	Howard St.	.....	Plumber	.....	24	148	1
H. A. Morrison	.....	Substitute	.....	199	Newbury St.	.....	Labor	.....	24	62	1
S. Dickie	.....	Substitute	.....	46	Summer St.	.....	Clerk	.....	23	145	1

The property owned by the city in charge of this company is as follows: One second size double engine built by the Manchester Locomotive Works in July, 1899, one 2-horse hose wagon built by the C. N. Perkins Co. of this city in December, 1905; one supply wagon, five horses, one set of harness for three horses, two sets of double harnesses, two three-gallon hand extinguishers, one deluge set, one life net, 2400 feet of 2 1-2-inch hose in good condition, 300 feet of ¾-inch hose, 12 coats, 12 hats, six beds and bedding, and furniture for six rooms, etc.

NO. 3 ENGINE AND HOSE, CHEMICAL AND LADDER TRUCK COMPANY, Station Corner South

Broadway and Crosby Street. •

NAME.	RANK.	RESIDENCE.	OCCUPATION.	Age	No. Badge	Years Service
M. H. Dwyer	Captain	Engine House	Permanent Fireman..	37	158	10
W. H. Donovan	Lieutenant	Engine House	Permanent Fireman..	59	38	18
H. T. Hayes	Call Lieutenant	3 Kingston St.	Painter	42	68	14
J. R. Dean	Clerk & Hose Driver	Engine House	Permanent Fireman..	55	36	26
F. H. Lang	Truck Driver	Engine House	Permanent Fireman..	56	49	26
T. F. Maxwell	Chemical Driver	Engine House	Permanent Fireman..	36	103	10
M. J. Dempsey	Chemical Pipeman	Engine House	Permanent Fireman..	46	39	18
J. J. O'Leary	Spare Driver	Engine House	Permanent Fireman..	35	111	11
W. E. Higham	Spare Driver	Engine House	Acting Per. Fireman.	38	61	6
J. F. Driscoll	Engineman	24 Winthrop Avenue.	Water Inspector	57	44	28
W. P. Noonan	Asst. Engineman	51 Newton St.	Painter	35	139	9
H. P. Gauthier	Hoseman	194 Boxford St.	Carpenter	51	40	15

NO. 3 ENGINE AND HOSE, CHEMICAL AND LADDER TRUCK COMPANY, Station Corner South
Broadway and Crosby Street.

NAME.	RANK.	RESIDENCE.	OCCUPATION.	Age	No. Badge	Years Service
J. J. Lynch	Hoseman	15 Durham St.	Laborer	52	47	18
D. F. Durgin	Hoseman	484 Andover St.	Stone Cutter	45	105	17
J. P. Gammel	Hoseman	46 Crosby St.	Laborer	43	106	15
J. J. Reagan	Hoseman	70 Bowdoin St.	Laborer	35	126	8
J. J. Donovan	Hoseman	86 So. Broadway	Laborer	45	46	17
A. W. Campbell	Hoseman	75 Abbott St.	Clerk	37	104	11
C. F. Sawyer	Hoseman	70 Abbott St.	Carpenter	32	220	5
E. L. Merrick	Ladderman	32 Dracut St.	Carpenter	46	101	14
G. L. Bates	Ladderman	55 So. Broadway	Carpenter	52	109	14
M. McDonough	Substitute	95 So. Broadway	Clerk	49	150	10
Towle Bishop	Substitute	60 Philip St.	Laborer	48	100	9
A. Gingras	Substitute	29 Carver St.	Conductor R.R.	45	132	5
F. Colman	Substitute	59 Crosby St.	Painter	27	193	5
F. A. Butland	Substitute	10 Bailey St.	Shoemaker	37	204	4
J. W. Quinn	Substitute	501 Andover St.	Machinist	31	216	1

The property owned by the city in charge of this company is as follows: One first size double engine built by the Manchester Locomotive Works, April, 1885, one two-horse hose wagon, one double tank chemical engine, 75 gallons each, one Seagrave ladder truck with 300 feet of ladders, one supply wagon, one engineer's wagon, and single harness, eight four-sets of double harnesses, eight beds and bedding and furniture for rooms, 2450 feet of 2½-inch hose, 400 feet 1-inch chemical rubber hose, 200 feet of 1-inch cotton hose.

NO. 4 ENGINE AND HOSE COMPANY, Station, Morton Street.

NAME.	RANK.	RESIDENCE.	OCCUPATION.	Age	No. Badge	Years Service
C. H. French	Captain	Engine House	Permanent Fireman..	52	57	26
F. T. Gilman	Lieut. and Clerk	Engine House	Permanent Fireman..	54	54	27
W. H. Polson	Hose Driver	Engine House	Permanent Fireman..	55	55	23
R. S. Kilkenny	Engine Driver	Engine House	Permanent Fireman..	50	53	19
J. W. Bailey	Driver and Hoseman	Engine House	Permanent Fireman..	48	73	18
J. J. Hopkins	Hoseman	Engine House	Permanent Fireman..	32	110	9
T. Hughes	Hoseman	Engine House	Per. Act. Fireman...	33	226	2 1/3
G. Crompton	Call Engineman	422 Lowell St.	Machinist	34	164	7
J. Marsland	Asst. Engineman	21 Crescent St.	Roll Coverer	48	66	18
F. Wallace	Call Hoseman	108 Greenwood St.	Roll Coverer	50	77	28
G. Otis	Call Hoseman	Engine House	Carpenter	59	56	26
J. F. Freeman	Call Hoseman	40 Butler St.	Machinist	50	184	19

NO. 4 ENGINE AND HOSE COMPANY, Station, Morton Street.

NAME.	RANK.	RESIDENCE. ...	OCCUPATION.	Age	No. Badge	Years Service
J. H. Bannon	Call Hoseman	Engine House	Laborer	51	65	19
J. H. McDermott	Call Hoseman	12 Hampshire St.	Clerk	44	218	16
M. Cantillon	Call Hoseman	1 Tremont St.	Clerk	29	185	7
M. H. Lang	Call Hoseman	50 Hancock St.	Laborer	40	186	7
B. Thornton	Substitute	135 Willow St.	Teamster	35	70	6
E. Hayes	Substitute	345 Erving Ave.	Teamster	36	91	5½
J. A. Moshier	Substitute	42 Greenwood St.	Painter	42	221	4
H. C. Gilman	Substitute	108 Oxford St.	Plumber	26	87	1½
F. Ray	Substitute	52 Crescent St.	Clerk	30	137	1¼
S. Hayes	Substitute	24 Congress St.	Roll Coverer	35	12	6m.
T. Heath	Substitute	30 Lake St.	Clerk	27	52	6m.

The property owned by the city in charge of this company is as follows: One second-class double pump engine, three-horse hitch, built by the Manchester Locomotive Works, July, 1889; one two-horse hose wagon, harnesses, for five horses on apparatus, one set for exercising, six beds and bedding and furniture for rooms, 2050 feet of fair hose, 600 feet of bad hose.

NO. 4 LADDER TRUCK, Corner Franklin and Concord Streets.

NAME.	RANK.	RESIDENCE.	OCCUPATION.	Age	No. Badge	Years Service
L. J. Kline	Captain	Ladder House	Permanent Fireman..	59	8	39
F. M. Gibson	Lieutenant	Ladder House	Permanent Fireman..	49	102	20½
C. H. Morse	Driver and Clerk	Ladder House	Permanent Fireman..	52	9	25
W. F. Finucane	Spare Driver	Ladder House	Permanent Fireman..	39	86	15
S. Smith	Spare Driver	Ladder House	Per. Act. Fireman...	42	151	11
T. Hollows	Call Ladderman	1111 Concord St.	Operative	43	16	15
I. J. Evans	Call Ladderman	97 Railroad St.	Contractor	40	22	8½
N. A. Langevin	Call Ladderman	89 Concord St.	Carpenter	38	143	7
E. Wilson	Call Ladderman	20 Lake St.	Laborer	27	217	4

SUBSTITUTES.

Thos. Craven	Sub. Ladderman	400 Lowell St.	Warp Dresser	49	188	11
J. F. Donovan	Sub. Ladderman	69 Lexington St.	Blacksmith	42	198	8½

The property owned by the city in charge of this company is as follows: One rubber tired ladder truck built by O. F. Kress & Son, in 1907 with 210 feet of ladders, two three-gallon chemicals, four lanterns, four axes, five plaster hooks, two hand saws, one wire cutter, two steel bars, one 12 pound sledges hammer, three hay forks, three shovels, one grate opener, four ladder dogs, two horses, one set of harness, one set of exercising harness, one exercising wagon, five beds and bedding, and furniture for same, fourteen chairs and two horse blankets.

NO. 5 ENGINE, HOSE AND PROTECTIVE COMPANY, Central Station, Lowell Street.

NAME.	RANK.	RESIDENCE.	OCCUPATION.	Age	No. Badge	Years Service
G. H. Remick	Captain	Central Station	Permanent Fireman..	49	69	30
J. W. Towle	Lieutenant	Central Station	Permanent Fireman..	62	199	29
A. Ingham	Hoseman and Clerk..	Central Station	Permanent Fireman..	41	58	19
J. H. Lynch	Hose Driver	Central Station	Permanent Fireman..	46	81	17
D. J. O'Neill	Chief's Driver	Central Station	Permanent Fireman..	31	175	7
W. J. McCarthy	Prot. Driver	Central Station	Per. Act. Fireman	30	194	5
E. J. Hayes	Hoseman	Central Station	Permanent Fireman..	36	163	10
G. Berry	Hoseman	Central Station	Permanent Fireman..	28	113	2
J. J. Tobin	Hoseman	Central Station	Permanent Fireman..	36	205	4
J. W. Craven	Hoseman	Central Station	Permanent Fireman..	27	114	2
C. W. Foster	Call Engineman	308 Lowell St.	Carpenter	76	72	60
E. L. Dooley	Call Engineman	57 Butler St.	Gas Fitter	31	156	17

NO. 5 ENGINE, HOSE AND PROTECTIVE COMPANY, Central Station, Lowell Street.

NAME.	RANK.	RESIDENCE.	OCCUPATION.	Age	No. Badge	Years Service
F. S. Turner	Call Hoseman	61 Lowell St.	Combmaker	48	75	15
W. C. Morgan	Call Hoseman	14 Oak St.	Carpenter	49	29	15
C. A. Horle	Call Hoseman	190 Willow St.	Clerk	31	170	6½
J. E. Connors	Call Hoseman	7 Lynch St.	Foreman	37	152	11
J. J. Dana	Call Hoseman	14 Eutaw St.	Plater	32	138	5
P. J. Hennessey	Sub. Hoseman	53 Buswell St.	Supt. Pub. Property	39	176	5½
J. A. Connors	Sub. Hoseman	245 Erving Ave.	Laborer	44	165	6
T. B. Keenan	Sub. Hoseman	20 Chestnut St.	Laborer	26	125	2
P. H. O'Loughlin	Sub. Hoseman	31 Eutaw St.	Glazer	29	206	2
W. A. O'Reilly	Sub. Hoseman	85 White St.	Clerk	24	223	1½
P. H. Tosney	Sub. Hoseman	120 Lowell St.	Teamster	27	232	2m.
T. B. Hogan	Sub. Hoseman	139 Myrtle St.	Piper	27	195	5½

The property owned by the city in charge of this company is as follows: One double engine, built by the Amoskeag Co. in 1871, one two-horse hose wagon, one chemical engine with sixty-gallon tank, 20 rubber blankets, one supply wagon, one Deluge set, complete, two set of tools for repairing hose, three double harnesses, seven horses, eleven beds and bedding, and furniture, Chief's wagon, two set of harnesses, 2200 feet of 2½-inch hose, 400 feet of 1-inch hose, one cellar pipe, one life net, one hose hoist, one Chief's sleigh.

NO. 6 COMBINATION CHEMICAL AND HOSE COMPANY, Station Cor. Howard and Platt Streets.

NAME.	RANK.	RESIDENCE.	OCCUPATION.	Age	No. Badge	Years Service
J. A. Jones	Captain	Engine House	Permanent Fireman..	46	112	21
D. E. McCarthy	Driver	Engine House	Permanent Fireman..	45	114	16
George Haigh	Permanent Hoseman	Engine House	Permanent Fireman..	41	116	14
William Hoffarth	Permanent Hoseman	Engine House	Permanent Fireman..	37	31	11
J. T. Beanland	Call Hoseman	26 Woodland St.	Woolsorter	47	115	14
D. C. Fitzpatrick	Call Hoseman	283 High St.	Carpenter	33	160	10
E. A. Hoehn	Call Hoseman	215 High St.	Machinist	45	119	14
P. G. Juenger	Call Hoseman	117 Howard St.	Machinist	54	117	14
J. A. B. Sargent	Substitute	168 E. Haverhill St.	Steam Fitter	50	120	13
B. Cunningham	Substitute	91 Howard St.	Painter	39	107	5
C. A. Woekel	Substitute	76 Woodland St.	Carpenter	32	212	2

The property owned by the city in charge of this company is as follows: One combination wagon with 50-gallon chemical tank and capacity for 1300 feet of 2½-inch hose, and 69 feet of ladders, three horses and harnesses, one set exercising harnesses, one life net, one nozzle holder for 2½-inch hose, one two Siamese, one supply wagon, four beds and bedding and furniture for lounging room, 200 feet of 2½-inch hose, (poor).

NO. 7 COMBINATION CHEMICAL AND HOSE COMPANY, Station, Park Street.

NAME.	RANK.	RESIDENCE.	OCCUPATION.	Age	No. Badge	Years Service
J. E. Sweeney	Captain	Engine House	Permanent Fireman..	43	123	24
J. T. Larter	Hoseman	Engine House	Permanent Fireman..	40	128	15
T. F. Griffin	Driver	Engine House	Permanent Fireman..	28	26	5
W. Fraser	Hoseman	Engine House	Per. Act. Fireman ..	27	48	1
W. H. Smith	Call Hoseman	78 Bromfield St.	Electrician	40	127	14
J. Barry	Call Hoseman	56 Willow St.	Carpenter	47	129	14
J. Green	Call Hoseman	346 Park St.	Piper	43	130	14
M. McNulty	Call Hoseman	53 Bradford St.	Piper	45	131	14
J. E. Griffin	Call Hoseman	52 Willow St.	Operative	37	164	10
C. D. Morrell	Sub. Callman	43 Fairmont St.	Painter	37	134	11
M. Collins	Sub. Callman	7 Bunkerhill St.	Carpenter	29	192	5
T. F. Doyle	Sub. Callman	59 Willow St.	Janitor	26	219	4
J. Barry	Sub. Callman	56 Willow St.	Teamster	26	—	4
P. Pipping	Sub. Callman	47 Lake St.	Machinist	34	122	1
F. Pothier	Sub. Callman	133 Myrtle St.	Painter	31	213	1

The property owned by the city in charge of this company is as follows: One combination wagon fitted with 50-gallon chemical tank and capacity for carrying 1500 feet of 2½-inch hose, and 200 feet of 1-inch hose, 75 feet of ladders, three horses and harnesses, one pair of double exercise harness, one spare hose wagon, four beds, bedding and furniture, a three-horse hitch on wagon, 200 feet of 1-inch hose, 2200 feet of 2½-inch hose, two hand chemicals, Eastman deluge set with Siamese connections, one Eastman holder with pipe for single hose line, two Callahan shut-off nozzles, one life net, two axes, two brooms, two shovels, one hydrant chuck, three plaster hooks, one crowbar, one battering ram, spanners and hydrant wrenches, six fire coats, six fire hats, and three horse blankets.

NO. 8 COMBINATION CHEMICAL AND HOSE COMPANY, Station, Ames Street.

NAME.	RANK.	RESIDENCE.	OCCUPATION.	Age	No. Badge	Years Service
F. J. Morris	Captain	Engine House	Permanent Fireman..	43	84	19
J. R. Martin	Lieutenant	Engine House	Permanent Fireman..	39	59	18
C. M. Austin	Driver	Engine House	Permanent Fireman..	43	227	19
J. Wain, Jr.	Spare Driver	Engine House	Permanent Fireman..	30	88	5
E. F. Carragher	Call Hoseman	30 Greenwood St.	Operative	36	96	10½
J. J. Drummond	Call Hoseman	40 Olive Ave.	Roll Coverer	39	100	11½
J. R. Tetler	Call Hoseman	300 Ames St.	Master Plumber	33	153	9
J. Welsh	Call Hoseman	91 Ames St.	Master Plumber	35	10	7
H. H. Smith	Call Hoseman	18 Jesper St.	Carpenter	55	10	23

SUBSTITUTES.

J. Edmond	Sub. Hoseman	4 Lowell Terrace	Machinist	34	182	7
J. T. Maguire	Sub. Hoseman	62 Warren St.	Clerk	33	197	6½
R. Lamb	Sub. Hoseman	478 Lowell St.	Machinist	30	203	2½
J. Hazellhurst	Sub. Hoseman	63 Buswell St.	Operative	34	100	2½
F. L. Bush	Sub. Hoseman	360 Ames St.	Steam Fitter	27	24	7 m.

The property owned by the city in charge of this company is as follows: One combination wagon fitted with two 30-gallon chemical tanks and capacity for carrying 1000 feet of 2½-inch hose, two 20-foot extension ladders, two 3-gallon hand chemical tanks, two shut-off nozzles and pipes, one Siamese set, one chuck, two sleighs, one fitted with 30-gallon chemical tank, one exercising wagon, engineer's wagon, one old pung, two horses, two sets of double harnesses, one single harness, 1500 feet of 2½-inch hose, 200 feet of chemical hose, four beds and bedding and furniture.

NO. 9 COMBINATION CHEMICAL AND HOSE COMPANY, Station, Bailey Street.

NAME.	RANK.	RESIDENCE.	OCCUPATION.	Age	No. Badge	Years Service
M. McPhee	Captain	Engine House	Permanent Fireman..	46	32	23
J. J. Kelley	Driver	Engine House	Permanent Fireman..	44	78	15
P. J. Lyons	Hoseman	Engine House	Permanent Fireman..	26	95	9
J. T. O'Brien	Hoseman	Engine House	Permanent Fireman..	30	224	2
W. R. Sawyer	Call Hoseman	67 Abbott St.	Carpenter	61	43	26
A. L. Drummond	Call Hoseman	181 Bailey St.	Janitor	40	35	10
D. J. DeCoursey	Call Hoseman	173 Boxford St.	Electrician	35	94	6
J. W. Towle, Jr.	Call Hoseman	180 Abbott St.	Carpenter	30	178	8
P. F. Calnan	Substitute	124 Bailey St.	Steam Fitter	36	207	6
E. Claus	Substitute	156 Farnham St.	Clerk	22	149	1½
A. E. Potter	Substitute	114 Bailey St.	Clerk	23	155	1

The property owned by the city in charge of this company is as follows: One combination wagon with 35-gallon chemical tank and 30 feet of ladders and capacity for 1100 feet of 2½-inch hose, two horses, two set of double harnesses, one supply wagon, 1600 feet of 2½-inch hose, two Star hand extinguishers, 200 feet of 1-inch hose, seven coats and seven fire hats, two shut-off nozzels, one chuck, four beds with bedding and furniture for four rooms, tools, etc.

Fires and Alarms.

Saturday, January 1, 11:50 a. m. Telephone, No. 161, Water street; frame building; owned by Edward Bedard; occupied by Margaret Brennan; caused by thawing out water pipes; no damage.

Saturday, January 1, 10:55 p. m. Telephone, No. 491 Common street; frame building; owned by Guilmet and Peavey; damage to building, \$40.00; damage to contents, none; caused by heating bricks for new building.

Sunday, January 2, 12:28 a. m. Box 361, corner of Lawrence street and Stearns avenue; false alarm; no fire.

Sunday, January 2, 6:23 p. m. Box 36; No. 167 Lawrence street; frame building; owned by John Flemming; occupied by M. Fitzgerald; damage to building, \$65.00; damage to contents, \$10.00; caused by kerosene lamp upset.

Tuesday, January 4, 2:24 p. m. Telephone, No. 200 Broadway; frame building; owned by Currier

and Stanchfield; occupied by A. B. Smith; damage to building, none; damage to contents, \$104.25; caused by clothing taking fire near stove.

Tuesday, January 4, 2:38 p. m. Telephone, No. 254 Hampshire street; frame dwelling; owned by H. Kapelovitch; occupied by M. Richstein; damage to building, \$20.00; damage to contents, none; caused by thawing out water pipes.

Tuesday, January 4, 4:55 p. m. Telephone, No. 22 Walnut street; frame dwelling; owned by Mary J. Cuddy; occupied by W. M. Campbell; damage to building, \$37.50; damage to contents, \$10.00; caused by oil stove taking fire.

Wednesday, January 5, 3:10 p. m. Verbal alarm, No. 110 Abbott street; frame dwelling; owned by John Bain; occupied by J. Whittier; damage to building, \$47.00; damage to contents, none; caused by thawing out water pipes.

Wednesday, January 5, 7:55 p. m. Verbal, No. 144 Garden street; frame dwelling; owned by Dr. Alexander; occupied by Leroy James; no damage; caused by soot burning in chimney.

Thursday, January 6, 10:37 a. m. Box 17, No. 88 Valley street; frame dwelling; owned and occupied

by A. Dubeau; no damage; caused by thawing out water pipes.

Thursday, January 6, 11:33 a. m. Box 7; No. 10 Park street; frame dwelling; owned by Agnes D. Marsden; occupied by J. D. Bean; damage to building, \$26.00; damage to contents, none; caused by thawing out water pipes.

Thursday, January 6, 9:25 p. m. Verbal alarm; No. 351 Hampshire street; frame dwelling; owned by Marion Chantry; occupied by Moses McGuire; damage to building, \$15.00; damage to contents, none; caused by defective chimney.

Saturday, January 8, 6:20 p. m. Telephone; No. 216 South Broadway; frame dwelling; owned by the Pingree Estate; occupied by M. Kilpatrick; no damage; caused by soot burning in chimney.

Saturday, January 8, 11:32 p. m. Box 72; No. 288 Chestnut street; frame dwelling; owned by Ellen Sullivan; occupied by Ellen Sullivan; damage to building, \$26.00; damage to contents, \$15.00; caused by oil stove exploding.

Sunday, January 9, 5:38 p. m. Box 19; East Haverhill street; no fire; false alarm.

Tuesday, January 11, 3:15 p. m. Box 6; No. 121 Elm street; frame dwelling; owned by V. Macello; occupied by Royal Athletic Club; no damage; caused by kerosene lamp on fire.

Tuesday, January 11, 10:30 p. m. Verbal alarm; No. 9 Emmett street; frame dwelling; owned by M. McCormick; occupied by A. Crowley; damage to building, \$25.00; damage to contents, none; caused by thawing out water pipes.

Wednesday, January 12, 12:25 a. m. Telephone, 505 Andover street; frame dwelling; owned by Charles H. Reough; not occupied; no damage; caused by drying plaster.

Thursday, January 13, 8:40 a. m. Telephone; No. 8 Fairmont street; building owned by Charles McSweeney; occupied by Charles McSweeney; damage to building, \$11.00; damage to contents, \$26.80; caused by clothing hanging too near fire.

Thursday, January 13, 10:20 p. m. Box 14; in rear of No. 438 Common street; storehouse for furniture; owned by Swan and Heald; occupied by Max Lyman Co.; damage to building, \$150.00; damage to contents, \$350.00; cause, unknown.

Thursday, January 13, 10:20 p. m. Box 14; No. 438½ Common street; frame dwelling; owned by

Swan and Heald; occupied by Mary Kelley; damage to building, \$40.00; damage to contents, none. This building took fire from adjoining building.

Saturday, January 15, 1:53 a. m. Box 32; Nos. 198-200 Essex street; Hotel Brunswick; stone building; owned by Michael Carney; occupied by W. J. Hanrahan; damage to building, \$1490.00; damage to contents, \$319.75; cause, hot ashes set fire to wood-work.

Saturday, January 15, 1:53 a. m. Box 32; No. 196 Essex street; brick building; owned by Louis Ginsburg; occupied by Louis Ginsburg as clothing store; damage to building, \$125.00; damage to contents, \$360.00; cause, exposure to fire in next building.

Saturday, January 15, 5:02 a. m. Telephone; No. 393 Essex street; brick building; owned by J. Bowker Heirs; occupied by C. C. Dearborn; damage to building, \$25.00; damage to contents, none; cause, defective flue.

Saturday, January 15, 9:05 p. m. Telephone; 1018 Essex street; frame dwelling owned by G. H. Hamblet; occupied by David Bruce; no damage; cause, chimney on fire.

Sunday, January 16, 4:04 p. m. Automatic alarm from No. 10 West street; building owned by H. K. Webster Co.; no fire.

Saturday, January 22, 10:10 a. m. Telephone; Boston & Northern Street Railway trolley wires down in street at corner of Oak and Hampshire streets; no damage.

Sunday, January 23, 12:15 p. m. Still alarm; Nos. 78-80 Union street; frame dwelling; owned by John Boush; occupied by Stalny Lasknwsky; damage to building, \$10.00; damage to contents, none; cause, defective flue.

Monday, January 24, 2:57 p. m. Box 23; Embankment street; frame building; owned and occupied by the Eastern Finishing Company; damage to building, \$400.00; damage to contents, \$750.00; cause unknown.

Thursday, January 27, 6:42 p. m. Box 124; South Canal, Merrimack street; brick building; owned and occupied by E. Frank Lewis; damage to building, \$25.00; damage to contents, none; cause, spontaneous combustion.

Sunday, January 30, 11:36 a. m. Telephone; in rear 29 Franklin street; hot ashes in wood box in

yard; owned by William Fitzgerald; occupied by Michael Bradley; no damage.

Wednesday, February 2, 8:05 a. m. Telephone; No. 4 Grove street; frame dwelling; owned by O. W. Kennison Estate; occupied by H. Dennie Morse; no damage; cause, soot burning in chimney.

Thursday, February 3, 9:50 p. m. Telephone; corner of Newbury and Orchard streets; no damage; cause, electric in a tree.

Monday, February 7, 9:12 a. m. Box 23; Medford street; no damage; cause, rubbish on fire in street near Thomas O'Brien's carpenter shop.

Monday, February 7, 11:45 a. m. Telephone; No. 69 South Broadway; frame dwelling; owned by Mrs. P. J. Haverty; occupied by Frank McDonough; damage to building, \$15.00; damage to contents, none; cause, thawing out water pipes.

Monday, February 7, 7:15 p. m. Telephone; No. 275 in rear Common street; frame dwelling; owned by A. W. Lang; occupied by A. La Tory; no damage; cause, thawing out water pipes.

Tuesday, February 8, 2:50 p. m. Telephone, No. 150 Hampshire street; frame dwelling; owned by David Magoon; occupied by M. Degnam; damage to

building, \$12.00; damage to contents, none; cause, sparks from chimney set fire to roof.

Tuesday, February 8, 5:45 p. m. Box 17, No. 191 in rear Valley street; frame building; owned by Misses Annia and Susan McCormick; no damage; cause, kerosene lamp upset.

Tuesday, February 8, 6:22 p. m. Box 54, No. 60 Short street; frame dwelling; owned by Dolor Carpenter; occupied by George A. La Port; damage to building, \$100.00; damage to contents, none.

Tuesday, February 15, 10:45 a. m. Box 73, Nos. 13-15 Alden court; frame dwelling; owned by Samuel Winer; occupied by Harry Korelitz; damage to building, \$25.00; damage to contents, \$25.00; cause, unknown.

Tuesday, February 15, 9:45 p. m. Box 37, in rear No. 55 Eutaw street; frame building used as stable; owned by Mrs. Anna E. Chadbourn; occupied by George Houston; damage to building, \$850.00; damage to contents, \$228.00; cause, unknown.

Tuesday, February 15, 9:45 p. m. Box 37, No. 55 Eutaw street; frame dwelling; owned and occupied by Mrs. Anna E. Chadbourn; damage to building,

\$75.40; damage to contents, none; this building took fire from stable in rear.

Wednesday, February 23, 9:20 p. m. Telephone, No. 500 Common street; new building under construction; no damage; building owned by Peavey and Guilmet; cause, drying plaster.

Thursday, February 24, 11:40 a. m. Telephone, No. 48 Franklin street; frame building used as barber shop; owned by T. P. Dolan; occupied by J. Klory; damage to building, \$60.00; damage to contents, none; cause, thawing out water pipes.

Friday, February 25, 10:44 a. m. Box 37, No. 58 Park street; frame building, store and dwelling; owned by Graichen Brothers; occupied by Ernest Kunert; damage to building, \$110.00; damage to contents, \$182.62; cause, thawing out water pipes.

Friday, February 25, 8:20 p. m. Still alarm; No. 144 Garden street; frame building; owned by D. Alexander; occupied by L. James; no damage; cause, smoky stove.

Saturday, February 26, 6:46 a. m. Still alarm; No. 190 Exchange street; frame building; owned by T. F. Hadley; occupied by M. Devine; damage to building, \$20.00; damage to contents, \$40.00; cause, spark from stove set fire to couch.

Thursday, March 1, 5:20 p. m. Still alarm; No. 20 Newbury street; brick building; owned by Savary Heirs; occupied by F. Tomaselli; no damage; cause, overheated stove pipe.

Friday, March 4, 10:40 a. m. Box 7; No. 20 Hall street; frame building; owned by Herman Walters; occupied by J. Poland; damage to building, \$25.00; damage to contents, \$20.00; cause, overheated stove.

Monday, March 7, 3:31 p. m. Still alarm; No. 574 Essex street; frame building; owned by Carrie Migs; occupied by J. F. Dane; damage to building, \$9.98; damage to contents, none; cause, defective flue.

Monday, March 7, 4:32 p. m. Still alarm; No. 574 Common street; second call to same fire; no damage.

Tuesday, March 8, 8:53 a. m. Still alarm; No. 177 Essex street; brick building; owned and occupied by Ford Brothers; no damage; cause, soot burning in chimney.

Thursday, March 10, 12:17 a. m. Box 52; No. 507 Common street; frame building; owned by J. Dearnally; occupied by Napoleon Guilmet; damage to building, \$10.00; damage to contents, none.

Saturday, March 12, 8:24 a. m. Still alarm; No. 47, in the rear Valley street; frame building; owned by E. Osgood; no damage; cause, smoky stove.

Sunday, March 13, 9:11 p. m. Still alarm; No. 132 Jackson street; frame building; owned by J. Whalen Estate; occupied by J. Welsh; no damage; cause, rats and matches.

Tuesday, March 15, 7:52 a. m. Box 112, near south canal off Merrimack street; brick building; owned and occupied by the National Fiber Company; damage to building, \$9,585.00; damage to contents, \$12,043.89; cause, spark from wood cutter machine.

Tuesday, March 15, 7:59 a. m. Box 112, second alarm for same fire and 8:09 a. m. third alarm, Box 112 for same fire.

Thursday, March 17, 10:35 a. m. Still alarm; No. 104 Lowell street; frame building; owned and occupied by M. Moynihan; cause, pot of fat on stove; no damage.

Friday, March 18, 11:40 p. m. Still alarm; fire in street in front of 104 Garden street; no damage; cause, old mattress on fire.

Saturday, March 19, 12:46 p. m. Box 38, in rear

No. 94 Myrtle street; property owned by J. Coffey Heirs; no damage; cause, boys set fire to grass.

Saturday, March 19, 1:00 p. m. Still alarm; No. 123 Walnut street; frame building; owned and occupied by P. C. Dempsey; no damage; cause, boys set fire to grass.

Saturday, March 19, 2:47 p. m. Still alarm, in rear No. 120 Hancock street; vacant land owned by G. P. Morgan; no damage; cause, dump on fire.

Sunday, March 20, 1:00 p. m. Still alarm; near Reservoir street; no damage; cause, grass on fire.

Sunday, March 20, 5:42 p. m. Still alarm; No. 535 Essex street; brick building; owned by Ordway Heirs; no damage; cause, lighted lamp set fire to draperies.

Monday, March 21, 11:16 a. m. Box 73; No. 15 Olive place; frame building; owned by William Cooper; occupied by E. Wiseniar; damage to building, \$85.00; damage to contents, \$125.00; cause, children playing with matches.

Monday, March 21, 6:16 p. m. Box 13; No. 251 Essex street; brick building; owned and occupied by Byron Truell; damage to building, \$1,307.00; dam-

age to contents, \$7,543.00; cause, hot ashes set fire to woodwork.

Tuesday, March 22, 10:20 a. m. Still alarm; near 29 Shattuck street; no damage; cause, grass on fire near house.

Wednesday, March 23, 7:42 a. m. Box 125; No. 285 Merrimack street; frame building; owned and occupied by Mary O'Connell; damage to building, \$10.00; damage to contents, none; cause, hot ashes in box.

Wednesday, March 23, 12:50 p. m. Still alarm; vacant land on Brookfield street; no damage; cause, boys set fire to grass.

Thursday, March 24, 12:30 p. m. Still alarm; grass fire on Philips Hill; cause, boys set fire to grass; no damage.

Thursday, March 24, 4:05 p. m. Still alarm; No. 70 Concord street; frame building; owned and occupied by the Jewish church people; damage to building, \$50.00; damage to contents, none; cause, defective chimney.

Thursday, March 24, 4:40 p. m. Still alarm; grass fire on Ballard road; no damage; cause, boys set fire to grass.

Friday, March 25, 9:25 a. m. Still alarm; grass fire on Andover street; cause, boys set fire to grass; no damage.

Friday, March 25, 9:29 a. m. Still alarm; No. 52 Howard street; grass fire in rear of house; cause, man burning rubbish set fire to grass; no damage.

Friday, March 25, 11:35 a. m. Still alarm; at corner South Union and Chadwick streets; brush fire on land owned by Owen Burke; no damage; cause, unknown.

Friday, March 25, 1:40 p. m. Still alarm; Mt. Vernon street; brush fire; on vacant land owned by Luscomb and Lewis; no damage; cause, unknown.

Friday, March 25, 3:29 p. m. Still alarm; in rear No. 80 Walnut street; burning rubbish on land owned by Mark Sullivan; no damage.

Friday, March 25, 4:45 p. m. Still alarm; in rear No. 120 Lowell street; fire in rear of house owned by D. Murphy; cause, burning grass; no damage.

Friday, March 25, 5:00 p. m. Still alarm; grass fire; corner of Bennington and Lawrence streets; land owned by W. P. Davis; no damage.

Friday, March 25, 6:55 p. m. Still alarm; No. 72 South Broadway; frame building; owned by Woodbury and Scanlon; occupied by Peter Sampson; no damage; cause, defective chimney.

Friday, March 25, 7:08 p. m. Still alarm; brush fire at corner of South Union and Chickering streets; on land owned by M. Brooks; no damage; cause, unknown.

Friday, March 25, 7:50 p. m. Still alarm; grass fire at Den Rock, on land owned by Essex Company; no damage.

Friday, March 25, 9:10 p. m. Still alarm; grass fire on land owned by Essex Company off Andover street; no damage.

Saturday, March 26, 4:09 p. m. Still alarm; No. 275 Lowell street; brick building; owned and occupied by the U. S. Bobbin Company, (the L. Sprague division); damage to building, \$5.00; damage to contents, none; cause, sparks set fire to roof.

Saturday, March 26, 5:30 p. m. Still alarm; grass fire on Essex Company's land off Lenox street; no damage; cause, unknown.

Sunday, March 27, 2:25 p. m. Still alarm; No.

53 Centre street; grass fire on land owned by William Rushton; no damage; cause, unknown.

Sunday, March 27, 3:40 p. m. Still alarm; fire in street near Boston & Maine railroad, near Salem street; cause, sparks from engine.

Sunday, March 27, 7:39 p. m. Still alarm; No. 116 Amesbury street; frame building; owned by J. A. Perkins; occupied by Julia Cronin; no damage; cause, man smoking in bed.

Monday, March 28, 8:04 a. m. Box 341; No. 132½ Spruce street; frame building; owned by Max Labelle; occupied by Harry Fargal; damage to building, \$61.00; damage to contents, \$50.00; cause, rats and matchss.

Monday, March 28, 6:30 p. m. Still alarm; No. 41 Tyler street; frame building; owned and occupied by M. Fox; no damage; cause, soot burning in chimney.

Wednesday, March 30, 10:50 a. m. Still alarm; No. 320 Ames street; frame building; owned by Mrs. Jennie Joyce; occupied by Thomas Dooling; damage to building, \$7.00; damage to contents, none; cause, hot ashes in barrel.

Wednesday, March 30, 11:14 a. m. Still alarm; No. 170 Ferry street; frame building used as stable; owned by Mrs. B. Rogers; occupied by Mrs. B. Rogers; damage to building, \$4.00; damage to contents, none; cause, spark from chimney set fire to grass extended to stable.

Wednesday, March 30, 12:05 p. m. Still alarm; grass fire on Essex Company's land on corner of Beacon and Bowdoin streets; no damage; cause, unknown.

Wednesday, March 30, 2:00 p. m. Still alarm; grass fire on Pingree Estate, South Broadway; no damage; cause, unknown.

Wednesday, March 30, 2:40 p. m. Still alarm; grass fire on Essex Company's land on Kempton street; no damage; cause, dump on fire.

Wednesday, March 30, 5:45 p. m. Still alarm; corner of Arlington and Broadway; electric car on fire; owned by Boston & Northern Company; no damage; cause, defective wiring.

Wednesday, March 30, 7:55 p. m. Still alarm; Dracut street; vacant land owned by Essex Company; no damage; cause, boys set fire to grass.

Thursday, March 31, 6:21 p. m. Box 21; No. 333 Methuen street; frame building; owned by the Metropolitan Garage Company; occupied by Gifford, Demine; no damage; cause, gasoline burning on floor.

Saturday, April 2, 3:34 a. m. Still alarm; No. 127 Garden street; frame building; owned and occupied by Michael Doyle; no damage; cause, man smoking in bed.

Saturday, April 2, 6:51 p. m. Box 72; No. 252 in rear Maple street; frame building; owned by T. Downey; occupied by E. Kennedy; damage to building, \$10.00; damage to contents, none; cause, man burning old mattress in cellar.

Saturday, April 2, 11:25 p. m. Still alarm; No. 59 Dorchester street; frame building; owned by William Cross; no damage; cause, soot burning in chimney.

Saturday, April 2, 11:57 p. m. Box 21; Nos. 80 and 90 Broadway; brick building; owned by Bicknell Heirs; occupied by Louis S. Gingras; no damage; cause, smoking cigarette set fire to bed.

Sunday, April 3, 8:55 a. m. Still alarm; 88 Greenwood street; frame building; owned by John

Donnelly; occupied by Oscar Wagner; no damage; cause, overheated stove.

Sunday, April 3, 11:57 a. m. Box 115, Andover street; vacant land owned by Pingree Estate; no damage; brush on fire; cause, unknown.

Sunday, April 3, 12:40 p. m. Still alarm, Andover street; vacant land owned by Michael F. Scanlon; damage to a pile of cord wood, \$40.00; brush fire; cause, unknown.

Monday, April 4, 11:25 p. m. Box 224; No. 364 Essex street; brick building; owned by F. S. Jewett Estate; loss on building, \$781.00; damage to contents, \$1,601.09; cause, defective electric wires set fire to woodwork.

Tuesday, April 5, 1:10 p. m. Still alarm; Beacon street, vacant land owned by J. Cummings; no damage; brush on fire; cause, unknown.

Tuesday, April 5, 7:37 p. m. Still alarm; No. 135 Lowell street; property owned by M. P. Kincourse; no damage; cause, hot ashes in barrel in back yard.

Tuesday, April 5, 7:41 p. m. Still alarm; corner of East Haverhill and Marston streets; vacant land owned by City of Lawrence; no damage; cause, rubbish on fire in dump.

Friday, April 8, 8:25 p. m. Box 85; No. 21 Allen street; frame building; owned by Antone Bartla; occupied by Charles Koknanephs; no damage; rags on fire in cellar; cause, unknown.

Sunday, April 10, 5:10 p. m. Box 12, Chestnut street; frame building; owned by the Roman Catholic Archbishop of Boston; occupied as Saint Peter and Paul's church; damage to building, \$86.50; damage to contents, none; cause, boy threw burning incense out of window set fire to curtain.

Sunday, April 10, 7:15 p. m. Still alarm; rear of 21 Common street; no damage; cause, old mattress on fire in street.

Monday, April 11, 10:41 a. m. Box 14; No. 477 Essex street; brick building; owned by Richard Barlow; occupied by C. Paquin; damage to building, \$5.00; damage to contents, \$5.00; cause, gasolene exploded set fire to woodwork.

Tuesday, April 12, 11:29 a. m. Box 12; No. 200 Elm street; frame building; owned by Joseph Ruth; occupied by Joseph Ruth and others; no damage; cause, child playing with matches set fire to window curtain.

Wednesday, April 13, 4:55 p. m. Box 18; 2-4

Broadway court; frame building; owned by J. J. Mahoney and A. L. Siskind; damage to building, \$60.00; damage to contents, \$70.00; cause, child with lighted candle set fire to bed looking for a ball.

Friday, April 15, 4:15 p. m. Still alarm; South Broadway; brush fire on vacant land owned by Pingree Estate; no damage; cause, unknown.

Friday, April 15, 4:50 p. m. Still alarm; Andover street; brush fire on Pingree Estate; no damage; cause, unknown.

Friday, April 15, 7:43 p. m. Box 14; No. 429 Canal street; brick building; owned by P. J. Dorgan; occupied by Nellie Murphy; damage to building, none; damage to contents, \$10.00; cause, man smoking in bed.

Saturday, April 16, 2:30 p. m. Still alarm; corner of Andover and Union streets; grass fire on vacant land owned by Foster Heirs; no damage; cause, unknown.

Saturday, April 16, 2:33 p. m. Still alarm; No. 59 Common street; frame building; owned by Dr. M. F. Sullivan; occupied by A. Carrovg; no damage; cause, old rags on fire in cellar.

Saturday, April 16, 10:30 p. m. Box 17; No. 126 Valley street; frame building; owned by Joseph Freedman; occupied by H. Kladky; damage to building, \$25.00; damage to contents, \$75.00; cause, lamp upset set fire to woodwork.

Saturday, April 16, 11:10 p. m. Still alarm; No. 247 Park street; rubbish on fire in yard owned by Patrick Bamerlle; no damage.

Sunday, April 17, 1:05 p. m. Still alarm; brush fire on old ledge road; owned by Essex Company; no damage.

Sunday, April 17, 2:08 p. m. Box 227, Merri-mack street; fire in pile of lumber; owned by the American Woolen Company; damage to lumber, \$100.00; cause, unknown.

Sunday, April 17, 2:19 p. m. Box 227, second alarm for same fire in American Woolen Company's yard.

Sunday, April 17, 3:35 p. m. Still alarm; brush fire on vacant land on Ellis street; owned by Essex Company; no damage; cause, boys set fire to brush.

Tuesday, April 19, 1:00 a. m. Still alarm; lime slacking on street at corner of Cross street and Broadway during a rain storm; no damage.

Wednesday, April 20, 2:33 p. m. Still alarm; rubbish on fire on dump on Hancock street; land owned by George Morgan; no damage.

Wednesday, April 20, 9:20 p. m. Still alarm; brush fire on Mt. Vernon street on land owned by William Forbes; no damage.

Monday, April 25, 9:14 p. m. Still alarm; No. 180 Essex street; brick building owned by Z. A. E. Chandler; occupied by Columbia Temple of Ladies; no damage; cause, lamp upset.

Monday, May 2, 1:50 a. m. Box 14; No. 493 Essex street; brick building; owned by Currier and Campion; occupied by E. Thibault and others; damage to building, \$111.00; damage to contents, \$35.00; cause, unknown.

Monday, May 2, 1:50 a. m. Box 14; No. 493 Essex street; brick building; owned by Currier and Campion; occupied by William M. Brown; damage to contents, \$25.00; cause, exposure to fire above.

Monday, May 2, 6:50 p. m. Still alarm; No. 46 Kendall street; frame building; owned by Richard S. Parthum and occupied by Richard S. Parthum; no damage; cause, soot burning in chimney.

Thursday, May 5, 1:51 a. m. Box 18, corner Broadway and Tremont streets; false alarm; no fire.

Thursday, May 5, 6:38 a. m. Auxiliary alarm from J. H. Horne's shop on Andover street; no fire; alarm went off from unknown cause.

Thursday, May 5, 7:54 a. m. Still alarm; No. 25 Sargent street; frame building; owned by Mary E. McCartin and occupied by Mary E. McCartin; no damage; cause, overheated stove pipe.

Saturday, May 7, 1:32 a. m. Box 19; No. 63 Brook street; frame building; owned and occupied by Berned Klegerman; damage to building, \$56.00; damage to contents, none; cause, hot ashes in wooden box.

Saturday, May 7, 1:58 p. m. Still alarm; No. 50 Island street; frame building; owned by George E. Kunhardt; occupied by George E. Kunhardt and others; damage to building, \$25.00; damage to contents, none; cause, sparks from chimney set fire to roof.

Saturday, May 7, 3:43 p. m. Auxiliary alarm from Archibald Wheel shop on West, went off; apparatus responded; no fire.

Wednesday, May 11, 5:08 p. m. Still alarm; brush fire on South Union street on vacant land; owned by Essex Company; no damage; cause, unknown.

Wednesday, May 11, 5:25 p. m. Still alarm; No. 495 Lowell street; frame building; owned and occupied by Hannah Woodford; no damage; cause, soot burning in chimney.

Thursday, May 12, 11:00 a. m. Box 36; No. 108 Park street; frame building; owned by C. F. Petzold; occupied by Elizabeth Mullins; damage to building, \$5.00; damage to contents, none; cause, overheated gas stove.

Friday, May 13, 6:20 p. m. Still alarm; rubbish on fire on Salem street dump; no damage.

Saturday, May 14, 5:59 p. m. Still alarm; No. 53 Haverhill street; no damage; cause, soot burning in chimney.

Saturday, May 14, 8:55 p. m. Still alarm; No. 60 Garfield street; brush fire near house owned by F. B. Davis; no damage; cause, unknown.

Sunday, May 15, 1:49 a. m. Box 116; Andover street, Boston & Maine yard; owned and occupied by

Boston & Maine Railroad; this was a shed for drying sand; damage to shed, \$60.00; damage to contents, \$15.00; cause, defective flue.

Sunday, May 15, 3:00 p. m. Still alarm; No. 563 Essex street; brick building; owned by J. M. Fairfield; damage to building, \$25.00; damage to contents, \$40.00; cause, unknown.

Monday, May 16, 3:40 p. m. Box 84; 144 Garden street; frame building; owned by Dr. H. Alexander; occupied by M. L. James; damage to building, \$10.00; damage to contents, \$30.00; cause, small boy set fire to bed.

Tuesday, May 17, 4:18 p. m. Still alarm; No. 142 South Broadway; boys set fire to fence; owned by C. Saunders; no damage.

Tuesday, May 17, 6:59 p. m. Box 19; No. 81 East Haverhill street; frame building; owned by A. A. Currier Heirs; occupied by J. H. Taylor; no damage; cause, lighted cigarette accidentally dropped in basket of clothes.

Wednesday, May 18, 6:30 p. m. Box 23; Winter street; brick building; owned and occupied by Briggs & Allyn Mfg. Company; no damage; cause, sparks from fire under boilers set fire to woodwork.

Thursday, May 19, 2:58 p. m. Box 14; 503 Essex street; brick building; owned by A. L. Siskind; occupied by Henry Morton as moving picture house, damage to building, none; damage to contents, \$1,259.00; cause, burning carbon dropped on floor.

Friday, May 20, 8:37 a. m. Still alarm; No. 55 Valley street; frame building; owned by P. Whelan Heirs; no damage; window curtain on fire; cause, unknown.

Friday, May 20, 12:32 p. m. Still alarm; fence on fire at Lawrence Riding Park; owned by Bicknell Estate; occupied by Lawrence Riding Park Association; no damage; cause, unknown.

Monday, May 23, 12:27 p. m. Box 17; No. 75 Hampshire street; frame building; owned by Dr. A. L. Siskind; occupied by A. Johnson; no damage; rubbish on fire in cellar; cause, unknown.

Tuesday, May 24, 6:00 p. m. Box 84; No. 189 Garden street; frame building; owned by S. Bruno; occupied by V. Camparieri; damage to building, \$20.00; damage to contents, \$15.00; cause, spark from chimney set fire to clothing on line in yard.

Wednesday, May 25, 7:16 a. m. In rear No. 28 West street; frame building; owned and occupied by

H. K. Webster Company; no fire; no damage; cause, automatic alarm went off.

Wednesday, May 25, 7:33 p. m. Still alarm; brush fire on Boxford street on land owned by Foster Heirs; no damage.

Wednesday, May 25, 10:15 p. m. Still alarm; dump on fire on Blanchard street; on land owned by Essex Company; no damage; cause, unknown.

Friday, May 27, 6:50 a. m. Box 84; second alarm, 7:10 a. m. Box 84; No. 104 Essex street; frame building; owned by P. Sweeney Heirs; occupied by G. A. Younggebaur; damage to building, \$251.50; damage to contents, \$500.00; cause, unknown.

Friday, May 27, 7:10 a. m. Box 84; No. 90 Essex street; frame building; owned by James Gillen; occupied by J. H. Greer; damage to building, \$125.00; damage to contents, none; cause, exposure to fire at No. 104 Essex street.

Friday, May 27, 7:10 a. m. Box 84; Nos. 92-94 Essex street; frame building; owned by James Gillen; occupied by John McManus; damage to building, \$125.00; damage to contents, \$50.00; cause, exposure to fire at 104 Essex street.

Friday, May 27, 7:10 a. m. Box 84; No. 96 Essex street; frame building; owned by James Gillen; occupied by John Lawler; damage to building, \$379.50; damage to contents, \$200.00; cause, exposure to fire at 104 Essex street.

Friday, May 27, 7:10 a. m. Box 84; No. 98 Essex street; frame building; owned by John Sandler; occupied by J. H. Heifetz; damage to building, \$397.00; damage to contents, \$200.00; cause, exposure to fire at 104 Essex street.

Friday, May 27, 7:10 a. m. Box 84; No. 100 Essex street; frame building; owned by P. Sweeney Heirs; occupied by P. J. Coan; damage to building, \$365.00; damage to contents, \$60.00; cause, exposure to fire at 104 Essex street.

Friday, May 27, 7:10 a. m. Box 84; No. 102 Essex street; frame building; owned by P. Sweeney Heirs; damage to building, \$362.50; damage to contents, \$10.00; cause, exposure to fire at 104 Essex street.

Friday, May 27, 7:10 a. m. Box 84; No. 106 Essex street; frame building; owned by P. Sweeney Heirs; damage to building, \$326.50; damage to contents, \$200.00; cause, exposure to fire at 104 Essex street.

Friday, May 27, 7:10 a. m. Box 84; Nos. 108-110 Essex street; frame building; owned by P. Sweeney Heirs; occupied by William Bell; damage to building, \$653.00; damage to contents, \$958.25; cause, exposure to fire at 104 Essex street.

Friday, May 27, 7:10 a. m. Box 84; No. 112 Essex street; frame building; owned by P. Sweeney Heirs; occupied by D. A. O'Brien; damage to building, \$327.00; damage to contents, \$95.00; cause, exposure to fire at 104 Essex street.

Friday, May 27, 7:10 a. m. Box 84; No. 114 Essex street; frame building; owned by John Sandler, Jacob Sandler; damage to building, \$353.00; damage to contents, \$113.10; cause, exposure to fire at 104 Essex street.

Friday, May 27, 7:10 a. m. Box 84; No. 116 Essex street; frame building; owned by E. Schneider; occupied by Thomas May; damage to building, \$114; damage to contents, \$70.00; cause, exposure to fire at 104 Essex street.

Friday, May 27, 7:10 a. m. Box 84; No. 118 Essex street; frame building; owned by J. Ginsburg; occupied by Harry Abrahams; damage to building, \$311.00; damage to contents, \$195.30; cause, exposure to fire at 104 Essex street.

Friday, May 27, 7:10 a. m. Box 84; No. 122 Es-

sex street; frame building; owned by Julius Gens; occupied by H. Berger; damage to building, \$55.00; damage to contents, \$458.00; cause, exposure to fire at 104 Essex street.

Friday, May 27, 7:10 a. m. Box 84; No. 124 Essex street; frame building; owned by Julius Gens; occupied by J. Wuszbacher; damage to building, none; damage to contents, \$60.00; cause, exposure to fire at 104 Essex street.

Friday, May 27, 7:10 a. m. Box 84; No. 126 Essex street; frame building; owned by Julius Gens, occupied by Nathan Gaull; damage to building, none; damage to contents, \$100.00; cause, exposure to fire at 104 Essex street.

Friday, May 27, 5:41 p. m. Still alarm; No. 112 Essex street; frame building; owned by P. Sweeney Heirs; occupied by D. O'Brien; no fire; man thought there was fire in store where sun shown on window glass.

Sunday, May 29, 12:05 p. m. Still alarm; No. 106 Essex street; frame building; owned by P. Sweeney Heirs; occupied by A. Kotz; no fire; cause, sun shining on some goods made steam; no damage.

Tuesday, May 31, 10:10 a. m. Box 74; No. 193 West street; frame building; owned by M. and D. Silverman; occupied by N. Nickerson; damage to building, \$50.00; damage to contents, \$100.00; cause, children playing with matches.

Tuesday, May 31, 4:15 p. m. Still alarm; Colonial Theatre, Hampshire street; owned by P. Sweeney Heirs; no fire; cause, smoke beating down from chimney.

Friday, June 3, 8:14 a. m. Box 144; Canal street; Washington mills; brick building; owned by American Woolen Company and occupied by same; no damage; cause, man thought there was fire over boiler in boiler-house.

Friday, June 3, 9:54 a. m. Still alarm; No. 43 East Haverhill street; frame building; owned and occupied by Mary K. Sanborn; no damage; cause, smoky stove.

Saturday, June 4, 1:23 p. m. Box 71; No. 371 Broadway; frame building; owned by Moses Marshall; occupied by Mary and Ellen Quelty; no damage; cause, children with matches.

Saturday, June 4, 5:40 p. m. Box 17; No. 135 Valley street; frame building; owned by Dr. Charles Brown; occupied by L. Vaisbord; damage to building, none; damage to contents, \$12.00; cause, spark dropped from window above set fire to awning.

Saturday, June 4, 6:55 p. m. Still alarm; Hampshire street; electric car owned by Southern New Hampshire Railroad had a short circuit; caused by defective wire; no damage.

Saturday, June 4, 7:56 p. m. Box 74; No. 60 Lake street; frame building; owned by Estate of Charlotte Senior; occupied by Nettie Randell; damage to building, \$12.00; damage to contents, none; cause, unknown.

Monday, June 6, 1:07 p. m. Still alarm; No. 225 Newbury street; frame building; owned by J. W. Duffy; occupied by M. H. Loonis; no damage; cause, drying wood on stove.

Tuesday, June 7, 9:10 p. m. Box 12; No. 291 Elm in rear; frame building; owned by Shaheen Kawash; occupied by Michael Connors; damage to building, \$285.00; damage to contents, \$50.00; cause, unknown.

Sunday, June 12, 7:43 p. m. Still alarm; No. 164 Hampshire street; frame building; owned by W. E. Heald; occupied by Charley Coon; no damage; cause, unknown.

Monday, June 13, 4:44 p. m. Box 121; Nos. 261-263 Andover street; frame building; owned by D. W. Pingree; occupied by F. A. Graham; damage to building, \$20.00; damage to contents, \$65.75; cause, unknown.

Monday, June 13, 6:09 p. m. Box 32; No. 136 Essex street; brick building; owned by Louis H. Ginsburg; occupied by Louis H. Ginsburg and others; damage to building, none; damage to contents, \$690.91; cause, overheated pressing iron.

Thursday, June 16, 8:32 p. m. Still alarm; electric car barn on Water street; owned by Boston &

Northern Street Railroad; no damage; cause, electric wires coming in contact with steel roof.

Sunday, June 19, 8:59 a. m. Still alarm; in rear No. 116 Broadway; frame building; owned by Ellis & Johnston; occupied by Ellis & Johnston; damage to building, \$750.00; damage to contents, \$165.00; cause, unknown.

Sunday, June 19, 8:59 a. m. Still alarm; in rear of 116 Broadway; frame building; owned by Murray Brothers; occupied by H. P. Hood; damage to building, \$95.00; damage to contents, none; cause, exposure to fire in Ellis & Johnston's building adjoining.

Monday, June 20, 7:12 a. m. Box 227; South Union street; no damage; cause, crossed wires at Ayer mill.

Wednesday, June 22, 11:10 p. m. Box 23; No. 18 Melvin court; frame building; occupied by E. Guenette; occupied by H. Krasnigon; damage to building, \$10.00; damage to contents, none; cause, sparks from chimney set fire to roof.

Saturday, June 25, 4:37 p. m. Box 212; false alarm.

Saturday, June 25, 11:52 p. m. Box 14; No. 344 Common street; frame building; owned by Jacob Close; occupied by J. McDonnell; damage to building, \$10.00; damage to contents, \$5.00; cause, spark from lighted match set fire to curtain.

Sunday, June 26, 4:11 p. m. Box 35; No. 196 Park street; frame building; owned by Louis Kimmel; occupied by Annie Karas; damage to building, \$50.00; damage to contents, \$5.00; cause, unknown.

Wednesday, June 29, 12:52 p. m. Still alarm; No. 69 Valley street; frame building; owned by Dr. Charles Brown; damage to building, none; damage to contents, \$10.00; cause, lighted match dropped from window on awning.

Thursday, June 30, 9:25 p. m. Still alarm; brush fire on Atkinson street land; owned by Caleb Saunders; no damage; cause, boys set fire to grass.

Friday, July 1, 3:04 p. m. Box 15; No. 337 Hampshire street; frame building; owned by T. P. Looney; occupied by T. P. Looney; damage to building, \$79.50; damage to contents, \$20.00; cause, hot ashes in wooden box near building.

Friday, July 1, 5:10 p. m. Still alarm; railroad bridge over Merrimack river; owned by Boston & Maine Railroad took fire from spark from locomotive; no damage.

Friday, July 1, 5:37 p. m. Box 18; No. 17 Tremont court; frame building; owned by J. Bendickson; occupied by Henry Topping; damage to building, \$10.00; damage to contents, none; cause, boys playing with matches.

Friday, July 1, 8:37 p. m. Still alarm; brush fire on Mt. Vernon street on land owned by William Forbes; no damage; cause, boys set fire to brush.

Friday, July 1, 8:42 p. m. Box 117; brush fire on Mt. Vernon street on land owned by Essex Company; no damage; cause, unknown.

Saturday, July 2, 5:38 p. m. Still alarm; automobile on fire on Water street; owned by F. Ellis; no damage.

Saturday, July 2, 11:35 p. m. Still alarm; fire on Kingston street dump; land owned by Essex Company; occupied by City of Lawrence; no damage.

Sunday, July 3, 8:45 a. m. Box 17; No. 206 Valley street; frame building; owned by Isador Gordon; occupied by Albert Reno; no damage; cause, hot ashes in wooden box.

Monday, July 4, 12:25 a. m. Still alarm; Salem street dump on fire; owned and occupied by Pacific mills; no damage.

Monday, July 4, 12:43 a. m. Box 23; Margin street; woodshed; owned by Portal M. Black; occupied by Albert Roberts; damage to building, \$300.00; damage to contents, none; cause, incendiary.

Monday, July 4, 2:02 a. m. Still alarm; Nos. 469-471 Essex street; brick building; owned by

James Bicknell Estate; occupied by Bicknell Bros. Inc.; damage to building, none; damage to contents, \$23.65; cause, fireworks flew in through cellar window.

Monday, July 4, 2:40 a. m. Still alarm; ¹ on fire at corner of Hampshire and Oak streets; set by boys; no damage.

Monday, July 4, 10:20 a. m. Box 18; No. 25 West street; frame building; owned by L. H. Dowling; occupied by Joseph Latulippe; no damage; cause, soot burning in chimney.

Monday, July 4, 10:55 a. m. Box 54; No. 96 Oak street; frame building; owned by F. De Peppo; occupied by F. Aiello; no damage; needless alarm; no fire.

Monday, July 4, 11:06 p. m. Box 14; Nos. 296-298 Essex street; brick building; damage to building; none; damage to contents, \$21.00; cause, fireworks.

Monday, July 4, 3:17 p. m. Box 121; No. 334 Andover street; frame building; owned by Justin Hart; occupied by George York; damage to building, \$15.00; damage to contents, none; cause, fireworks.

Monday, July 4, 5:15 p. m. Still alarm; Salem street dump on fire; owned and occupied by Pacific mills; no damage.

Monday, July 4, 6:48 p. m. Still alarm; No. 150 Common street; brick building; owned by William Fitzgerald; occupied by M. Lampes; damage to building, \$100.00; damage to contents, none; cause, fireworks set fire to roof.

Monday, July 4, 8:32 p. m. Box 343; Nos. 63-65 Avon street; frame building; owned by James Doherty; occupied by John Dolan; damage to building, \$5.00; damage to contents, \$83.00; cause, fireworks.

Monday, July 4, 11:34 p. m. Box 46; No. 363 Lowell street; frame building; owned by R. Pickles; occupied by T. Rose; damage to building, \$10.00; damage to contents, none; cause, fireworks.

Tuesday, July 5, 3:35 p. m. Still alarm; in rear No. 101 Amesbury street; frame building; owned by the Brewster Estate; no damage; fire in yard between sheds.

Wednesday, July 6, 11:45 a. m. Still alarm; fire on vacant land near Riding Park; no damage; cause, boys set fire to brush.

Wednesday, July 6, 4:50 p. m. Still alarm; fire on vacant land; owned by Essex Company; no damage; cause, boys set fire to brush.

Thursday, July 7, 8:42 a. m. Box 17; No. 126 Valley street; frame building; owned by J. Freedman; occupied by H. Klodky; damage to building,

\$25.00; damage to contents, \$40.00; cause, dropped lighted match near kerosene oil.

Thursday, July 7, 11:40 a. m. Still alarm; brush fire on Andover street on land owned by the Pingree Estate; no damage; cause, boy set fire to brush.

Thursday, July 7, 12:00 m. Box 54; No. 68½ Chestnut street; frame building; owned and occupied by Pasco Fioranty; no damage; cause, child playing with matches.

Thursday, July 7, 12:12 p. m. Still alarm; brush fire on Cambridge street on vacant land owned by Foster Heirs; no damage; cause, boys set fire to brush.

Thursday, July 7, 2:05 p. m. Still alarm; brush fire on Cambridge street on vacant land owned by Foster Heirs; no damage; cause, boys set fire to brush.

Thursday, July 7, 3:40 p. m. Still alarm; brush fire on vacant land owned by Essex Company; near Riding Park; no damage; cause, boys set fire to brush.

Thursday, July 7, 9:00 p. m. Still alarm; Blanchard street; vacant land owned by Essex Company; no damage; cause, spark from locomotive set fire to lumber.

Thursday, July 7, 10:00 p. m. Box 34; No. 44 Center street; frame building; owned by C. E. Rosseler; occupied by C. E. Rosseler; damage to building, \$1.98; cause, unknown.

Friday, July 8, 10:10 a. m. Still alarm; No. 132 Oak street; frame building; owned by E. M. Milley; no damage; cause, someone dropped lighted match on some clothing hanging out of window.

Friday, July 8, 10:55 a. m. Still alarm; brush fire on vacant land on Andover street; owned by the Pingree Estate; no damage; cause, boys set fire to brush.

Friday, July 8, 3:15 p. m. Still alarm; brush fire on vacant land on Andover street; owned by the Pingree Estate; no damage; cause, boys set fire to brush.

Friday, July 8, 3:16 p. m. Still alarm; No. 231 Jackson street; building owned by E. Lynch; no damage; needless alarm; cause, smoky furnace.

Friday, July 8, 5:31 p. m. Box 61; No. 214 Prospect street; frame building; owned by Mrs. T. Merriam; occupied by Max Hoessler; damage to building, \$10.00; damage to contents, \$60.00; cause, man smoking in bed.

Friday, July 8, 8:05 p. m. Still alarm; dump on fire on Boxford street on land owned by Essex Company; no damage; cause, unknown.

Saturday, July 9, 1:27 p. m. Box 74; No. 163 West street; frame building; owned by Mary T. Donahue; occupied by H. Demont; damage to building, \$5.00; damage to contents, \$30.00; cause, unknown.

Sunday, July 10, 2:40 p. m. Still alarm; in rear of Jackson court, in yard owned by F. W. McLanathan; no damage; cause, burning rubbish.

Sunday, July 10, 10:19 p. m. Still alarm; No. 136 Essex street; frame building; owned by P. Sweeney Heirs; occupied by Maurice Noonan; no damage; cause, unknown.

Monday, July 11, 5:47 p. m. Still alarm; in rear 88 Valley street; ash box in yard; owned by A. Dubean; no damage.

Tuesday, July 12, 2:35 p. m. Still alarm; grass fire on Andover street on land owned by the D. W. Pingree Estate; no damage; cause, unknown.

Tuesday, July 12, 6:05 p. m. Box 38; Nos. 20-22 Bennington street; frame building; owned by R. Robinson; new house, unoccupied; damage to building, \$3.00; cause, plumber's outfit set fire.

Tuesday, July 12, 6:30 p. m. Still alarm; grass fire on Andover street on vacant land owned by D. W. Pingree Estate; no damage; cause, boys set fire to grass.

Wednesday, July 13, 3:45 p. m. Still alarm; brush fire on Andover street on land owned by the D. W. Pingree Estate; no damage; cause, boys set fire to brush.

Wednesday, July 13, 9:41 p. m. Box 132; No. 115 Common street; frame building; owned by Herman Kress; occupied by Casta Salvastorie; no damage; cause, lamp upset.

Thursday, July 14, 7:30 a. m. Still alarm; No. 81 Lowell street; old mattress on fire in yard; owned by B. J. Goldburg; no damage.

Thursday, July 14, 11:40 a. m. Still alarm; brush fire on Andover street on land owned by the D. W. Pingree Estate; damage to pile of cord-wood, \$35.00; cause, unknown.

Friday, July 15, 2:18 p. m. Box 152; false alarm.

Sunday, July 17, 6:28 p. m. Still alarm; in rear 241 Essex street; waste paper in box in alleyway; no damage; cause, unknown.

Monday, July 18, 10:03 a. m. Still alarm; No. 27 Exchange street; ash box on fire in yard; owned by Patrick Mullen; no damage.

Tuesday, July 19, 8:00 a. m. Still alarm; No. 279 Park street; frame building; owned by B. Alfond; no damage; cause, smoky chimney.

Wednesday, July 20, 2:54 a. m. Box 71; Nos. 36-38 Holly street; frame building; owned by Catherine McMann; occupied by A. Domingue; damage to building, \$293.00; damage to contents, \$25.00; cause, rats and matches.

Wednesday, July 20, 7:10 a. m. Still alarm; No. 421 Broadway; brick building; owned by Dennis Woodcock; occupied by Harry Sugden; damage to building, \$20.00; damage to contents, \$10.00; cause, lighted pipe set fire to clothing.

Thursday, July 21, 2:25 p. m. Still alarm; corner of Osgood and Boxford streets; rubbish burning on dump; owned by Essex Company; no damage.

Thursday, July 21, 7:15 p. m. Still alarm; No. 40 Tenney street; frame building; owned by George Hartley; occupied by Charles Petzold; no damage; cause, soot burning in chimney.

Friday, July 22, 5:20 p. m. Still alarm; No. 81½ Common street; frame building; owned and occupied by Antonio Castaldo; no damage; cause, rubbish on fire in cellar.

Sunday, July 24, 7:02 p. m. Box 71; No. 396 Broadway; frame building; owned by Mary E. Dillon; occupied by John Hannon; damage to building, \$10.00; damage to contents, \$20.00; child with matches set fire to draperies.

Monday, July 25, 2:19 a. m. Box 125; dump fire on Massachusetts avenue; land owned by Essex Company; no damage.

Tuesday, July 28, 8:09 a. m. Box 46; No. 406 Lowell street; frame building; owned by S. Pickles; occupied by F. Wallace; no damage; cause, child playing with matches.

Thursday, July 28, 10:45 p. m. Still alarm; No. 21 Newbury street; frame building; owned by F. R. Stabile; occupied by Rosina Tusso; damage to building, \$9.69; damage to contents, \$5.00; cause, gas stove set fire to paper.

Sunday, July 31, 4:20 p. m. Still alarm; Engine Company No. 3 called to a fire on Andover street; found no fire and returned to quarters; later it was learned that the fire was in North Andover, for fire in John A. Driscoll's barn.

Thursday, August 4, 7:14 p. m. Box 214; corner of Methuen and Franklin streets; no damage; cause, live wire in street, during rain storm.

Saturday, August 6, 5:48 a. m. Box 18; No. 373 Haverhill street; brick building; owned by the Catholic Archbishop of Boston; occupied by French Catholic societies; damage to building, \$950.00; damage to contents, \$200.00; cause, smoking in building set fire to floor.

Saturday, August 6, 6:10 a. m. Still alarm; No. 88 Concord street; frame building used as stable; owned by F. Tepffer; occupied by J. H. Couture; no damage; cause, smoking in hay loft.

Monday, August 8, 2:05 p. m. Still alarm; No. 193 Lowell street; frame building; owned by M. Orenstein; occupied by M. Orenstein and others; no damage; cause, boys playing with fire in yard.

Monday, August 8, 4:07 p. m. Still alarm; No. 79 West street; frame building; owned by Mrs. Rose Cloutier; occupied by William Prenerau; damage to building, \$25.00; damage to contents, \$5.00; cause, man dropped lighted match on awning from window above.

Wednesday, August 10, 4:49 p. m. Still alarm; Nos. 54-56 Concord street; frame building; owned by C. Nathan; occupied by M. Steinberg; no damage; cause, paper burning in cellar.

Thursday, August 11, 8:44 a. m. Still alarm; No. 36 Manchester street; frame building; owned by John Matthes; occupied by Victor Bachand; damage to building, \$50.00; damage to contents, \$25.00; cause, children playing with matches.

Monday, August 15, 2:10 p. m. Still alarm; No. 280 Common street; frame building; owned and occupied by R. Dane; no damage; cause, children playing with matches.

Monday, August 15, 7:07 p. m. Still alarm; No. 444 Broadway; burning rubbish in yard owned by W. L. Churchill; no damage.

Thursday, August 18, 4:30 a. m. Auxiliary alarm; on Blanchard street in building owned by Lawrence Improvement Company; no fire; cause, thermoscop button dropped.

Monday, August 22, 4:48 p. m. Box 131; No. 29 Appleton street; old rubbish on fire in wooden box in alleyway in rear of building; no damage.

Tuesday, August 23, 6:03 a. m. Still alarm; No. 575 Essex street; frame building; owned by Carrie C. Miggs; occupied by Huntts bakery; damage to building, \$10.00; damage to contents, \$5.00; cause, overheated baker's oven.

Tuesday, August 23, 10:03 a. m. Still alarm; No. 7 Saratoga street; frame building; owned by J. Joyce; occupied by J. Joyce; damage to building, \$20.00; damage to contents, \$37.50; cause, careless use of matches.

Wednesday, August 24, 4:41 p. m. Still alarm; Salem street dump on fire; no damage.

Saturday, August 27, 11:48 a. m. Box 52; No. 207 Lowell street; frame building; owned by Mary F. Dillon; occupied by Joseph Ouellette; damage to building, \$50.00; damage to contents, none; cause, children playing with matches.

Sunday, August 28, 9:21 p. m. Box 73; No. 4 Clyde Lane; frame building; owned by H. Michaelovich; damage to building, none; damage to contents, \$5.00; cause, lamp set fire to draperies.

Monday, August 29, 3:15 p. m. Still alarm; corner East Pleasant and East Haverhill streets; rubbish on fire in dump.

Wednesday, August 31, 6:12 p. m. Still alarm; No. 116 Garden street; frame building; owned by Moolie Heirs; occupied by Ann Turner; no damage; cause, gasolene stove on fire.

Thursday, September 1, 6:15 p. m. Still alarm; No. 236 Park street; frame building; owned by W. Brown; vacant house; cause, burning sulphur to fumigate.

Monday, September 5, 9:54 a. m. Still alarm; No. 392 Common street; frame building; owned by W. H. Winslow Estate; occupied by Barnet Seehwartz; no damage; cause, soot burning in chimney.

Tuesday, September 6, 12:55 p. m. Box 131; No. 234½ Essex street; brick building; owned by F. W. Schaake; occupied by Mrs. Lizzie Kolsky; damage to building, \$125.00; damage to contents, \$403.84; cause, hot pressing iron set fire to clothing.

Thursday, September 8, 3:55 p. m. Box 114; No. 7 Durham street; frame building; owned by John

Rusby; occupied by M. Hanscomb; damage to building, \$3.50; damage to contents, none; cause, rats and matches.

Monday, September 12, 9:00 p. m. Still alarm; No. 212 Valley street; frame building; owned by Isador Gordon; occupied by Peter Berlovsky; damage to building, none; damage to contents, \$20.00.

Tuesday, September 13, 3:10 a. m. Box 132; Nos. 5-7 Mill street; brick building; owned and occupied by John D. Morehouse & Co., as bakery; damage to building, \$1359.00; damage to contents, \$1500.00; cause, pot of fat frying doughnuts on fire.

Tuesday, September 13, 6:30 p. m. Still alarm; rear 93-95 South Broadway; brick building; owned and occupied by John Daly; no damage; cause, rubbish on fire in yard.

Saturday, September 17, 10:20 a. m. Still alarm; No. 62 South Broadway; frame building; owned by Robert Smith; occupied by Frank Peltier; no damage; cause, soot burning in chimney.

Monday, September 19, 4:34 p. m. Still alarm; in rear Nos. 47-51 Broadway; fire in some old papers in alley; no damage.

Thursday, September 22, 6:15 p. m. Still alarm; taxi-cab on fire near Boston & Maine station; owned by Frank Collins; no damage.

Monday, September 26, 11:11 a. m. Box 25; No. 17 Champlain avenue; frame building; owned and occupied by H. Meyers; damage to building, \$75.00; damage to contents, none.

Tuesday, September 27, 10:50 p. m. Still alarm; No. 10 Franklin street; frame building; owned by Connors and Whelan; occupied as laundry by Connors and Whelan; no damage; cause, gas jet left burning to heat pressing iron.

Friday, September 30, 11:25 a. m. Still alarm; No. 185 Lowell street; owned by J. Gerry; occupied by H. Wemmiss; no damage; cause, smoky chimney.

Friday, September 30, 12:06 p. m. Still alarm; No. 185 Lowell street; chimney fire in same place; owned by J. Gerry; no damage.

Friday, September 30, 11:18 p. m. Still alarm; No. 314 Park street; frame building; owned by E. D. Smith; occupied by E. D. Smith; no damage; cause, smoky chimney.

Saturday, October 1, 3:05 p. m. Still alarm; fire in Prospect street dump; owned by the Lawrence General Hospital; no damage.

Monday, October 3, 4:45 a. m. Box 54; No. 107 Oak street; frame building; owned and occupied by Paule Chabis; damage to building, \$15.00; damage to contents, none; cause, lighted cigar stub set fire to floor.

Monday, October 3, 2:09 p. m. Box 72; No. 292 Oak street; frame building; owned by J. Saliba; occupied by Mary Squires; damage to building, \$15.00; damage to contents, none; cause, unknown.

Wednesday, October 5, 6:20 p. m. Still alarm; South Broadway on D. W. Pingree Estate; no damage; cause, boys set fire near fence.

Thursday, October 6, 2:21 p. m. Box 71; No. 344 Broadway; frame building; owned by G. M. Poor; occupied by G. M. Poor; damage to building, \$75.00; damage to contents, \$213.00; cause, child playing with matches.

Thursday, October 6, 7:44 p. m. Box 32; No. 163 Essex street; brick building; owned by Este Robinson; occupied by Este Robinson and others; damage to building, \$13.00; damage to contents, \$22.00; cause, spark from electric light set fire to awning.

Monday, October 10, 12:10 p. m. Still alarm; No. 8 Forrest street; frame building; owned by Collen Cerr; occupied by Newton Murgatroid; damage to building, \$5.00; damage to contents, none.

Tuesday, October 11, 10:21 a. m. Still alarm; No. 40 Valley street; frame building; owned by Shaheen Abdalla; damage to building, \$25.00; damage to contents, none; cause, defective chimney.

Wednesday, October 12, 2:10 p. m. Box 34; No. 108 Arlington street; frame building; owned by Edward Moolie; occupied by Mary Carr; damage to building, \$50.00; damage to contents, \$40.00; cause, man left lighted pipe in coat pocket.

Wednesday, October 12, 9:31 p. m. Still alarm; No. 208 Chestnut street; frame building; owned by S. La Forre; occupied by J. Mail; damage to building, \$15.00; damage to contents, none; cause, fireworks.

Wednesday, October 12, 9:39 p. m. Still alarm; No. 70 Common street; frame building; owned by F. R. Stabile; occupied by Paglinso; damage to building, none; damage to contents, \$35.00; cause, rats and matches.

Thursday, October 13, 6:35 p. m. Still alarm; brush fire on Dorchester street, on land owned by Essex Company; no damage; cause, unknown.

Saturday, October 15, 12:57 a. m. Box 32; Nos. 5-7 Mill street; brick building; owned by J. D. Morehouse; no damage; cause, kettle of fat on fire.

Saturday, October 15, 11:27 p. m. Box 131; No. 234½ Essex street; brick building; owned by F. W. Schaake; occupied by Mrs. Lizzie Kolsky; damage to building, \$3785.00; damage to contents, \$1945.22; cause, unknown.

Saturday, October 15, 11:27 p. m. Box 131; No. 232 Essex street; brick building; owned by F. W. Schaacke; occupied by Louis Cummings; damage to contents, \$950.00; cause, exposure to fire next door, No. 234½.

Saturday, October 15, 11:27 p. m. Box 131; No. 234 Essex street; brick building; owned and occupied by F. W. Schaake; damage to contents, by exposure to fire on floor below, \$643.00.

Saturday, October 15, 11:57 p. m. Box 131; No. 234 Essex street; brick building; owned by F. W. Schaake; occupied by Elks lodge, No. 65; damage to contents, \$50.00; cause, exposure to fire on floor below No. 234½ Essex street.

Saturday, October 15, 11:57 p. m. Box 131; No. 236 Essex street; brick building; owned by F. W. Schaake; occupied by G. W. Bradshaw; damage to contents, \$135.00; cause, exposure to fire in next store, No. 234½ Essex street.

Saturday, October 15, 11:27 p. m. Box 131; No. 234 Essex street; brick building; owned by F. W. Schaake; occupied by Knights of Columbus society; damage to contents, \$15.00; cause, exposure to fire on floor below, No. 234½ Essex street.

Saturday, October 15, 11:27 p. m. Box 131; No. 27 Appleton street; brick building; owned by F. W.

Schaake; occupied by P. J. Helfrich; damage to contents, \$15.00; cause, exposure to fire in store above.

Saturday, October 15, 11:27 p. m. Box 131; No. 25 Appleton street; frame building; owned by F. W. Schaake; occupied by Berkand Theatre Company; damage to building, \$257.00; damage to contents, \$52.50; cause, exposure to fire in adjoining building, No. 234½ Essex street.

Saturday, October 15, 11:27 p. m. Box 131; No. 139 Methuen street; frame building; owned and occupied by Buckley & Sullivan; damage to building, \$50.00; damage to contents, none; cause, exposure to fire at No. 234½ Essex street.

Sunday, October 16, 5:41 p. m. Box 73; 111 in rear Tremont street; frame building; owned by L. H. Downing; occupied by Mary Morgan; no damage; cause, soot burning in chimney.

Wednesday, October 19, 6:23 p. m. Still alarm; No. 209 Essex street; brick building; owned by J. M. Fairfield; no damage; cause, lighting fire under boiler filled cellar with smoke.

Monday, October 21, 1:43 p. m. Still alarm; corner Salem and East streets; no damage; fire in dump; owned by Wood Worsted Company.

Saturday, October 22, 9:55 a. m. Still alarm; corner Salem and East streets; no damage; cause, fire in dump; owned by Wood Worsted Company.

Saturday, October 22, 10:33 a. m. Box 31; No. 226 Broadway; frame building; owned by H. J. Stanchfield; occupied by E. O. Marshall; no damage; cause, gasoline on fire.

Sunday, October 23, 6:25 a. m. Box 17; No. 87 Hampshire street; frame building; owned by Mary Specter; occupied by M. Reid; damage to building, \$78.00; damage to contents, \$20.00; cause, unknown.

Monday, October 24, 5:07 p. m. Still alarm; No. 6 Summer street; frame building; owned by Costello Heirs; no damage; cause, child playing with matches.

Tuesday, October 25, 1:12 a. m. Box 17; No. 85 Hampshire street; frame building; owned by Mary Specter; occupied by Louis Marshall; damage to building, \$400.00; damage to contents, \$145.00; cause, unknown.

Tuesday, October 25, 3:54 p. m. Box 38; Nos. 8-10 Bromfield street; frame building; owned by Bessie Nicholson; occupied by Mary O'Connell; damage to building, \$15.00; damage to contents, \$35.00; cause, cigarette set fire to couch.

Tuesday, October 25, 7:12 p. m. Box 114; No. 20 Durham street; frame building; owned by Mrs. M. Donovan; occupied by Bernard Wolff; damage to building, none; damage to contents, \$12.00; cause, lighted lamp upset.

Wednesday, October 26, 5:41 p. m. Still alarm; brush fire on Water street; no damage; cause, boys set fire to brush.

Wednesday, October 26, 7:20 p. m. Still alarm; dump fire on corner of Salem and East streets; no damage; land owned by Wood Worsted Company.

Friday, October 28, 10:53 p. m. Box 23; tar kettle on fire on Medford street; owned by Andrew Wilson; no damage.

Saturday, October 29, 5:50 p. m. Still alarm; dump fire on corner of Salem and East streets; land owned by Wood Worsted Company; no damage.

Sunday, October 30, 6:46 p. m. Box 12; No. 173 Oak street; frame building; owned by Dr. F. Howard; occupied by John Aho; damage to building, \$25.00; damage to contents, \$16.00; cause, man smoking in bed.

Monday, October 31, 12:36 p. m. Box 34; No. 54 Center street; frame building; owned by Paul Galle and occupied by Paul Galle; damage to building, none; damage to contents, \$25.00; cause, unknown.

Monday, October 31, 2:09 p. m. Still alarm; Box of waste paper in Essex street alley near Boston & Maine Railroad station; no damage.

Monday, October 31, 7:15 p. m. Still alarm; Hampshire street dump; owned and occupied by City of Lawrence; no damage.

Wednesday, November 2, 5:55 p. m. Still alarm; No. 230 Lowell street; frame building; owned by M. Morrison; occupied by G. DeMars; no damage; cause, chimney on fire.

Thursday, November 3, 8:35 a. m. Still alarm; No. 16 South Broadway; frame building; owned and occupied by Mrs. Shaughnessy; no damage; cause, unknown.

Saturday, November 5, 8:15 a. m. Still alarm; dump fire, corner of Salem and East streets; land owned and occupied by Wood Worsted Company; no damage.

Sunday, November 6, 12:54 a. m. Still alarm; from Methuen, Mass., for fire on Broadway, Methuen; building owned by Horace Rounds; Combination Company No. 7 responded by orders of the Acting Chief.

Wednesday, November 9, 3:20 a. m. Box 14; No. 445 Essex street; brick building; owned by M. A. Burns; occupied by T. F. Kernon; damage to building, \$10.00; damage to contents, \$35.00; cause, man smoking in bed.

Sunday, November 13, 10:38 a. m. Still alarm; No. 56 Washington street; frame building; owned by Mrs. Mary Lucy; occupied by James Block; damage to building, none; damage to contents, \$25.00; cause, child playing with matches.

Monday, November 14, 4:51 p. m. Box 12; No. 114 Lawrence street; frame building; no fire; cause, smoky stove.

Saturday, November 19, 8:57 a. m. Box 15; No. 383 Elm street; frame building; owned by J. Morrissey; occupied by Happ Ziden; damage to building, \$5.00; damage to contents, \$15.00; cause, overheated stove.

Saturday, November 19, 11:04 a. m. Still alarm; No. 18 Hannagan street; frame building; owned by Isador Gordon; occupied by Annie Goldstein; no damage; cause, pot of meal burning on stove.

Sunday, November 20, 8:25 p. m. Still alarm; No. 320 Lowell street; frame building; owned by G. W. Dodson; no damage; cause, smoky fire under boiler filled house with smoke.

Tuesday, November 22, 7:20 a. m. Box 83; No. 8 Middle street; frame building; owned by John Howakovski; occupied by S. Sobak; damage to building, \$42.50; damage to contents, \$25.00; cause, careless use of matches.

Thursday, November 24, 1:00 a. m. Box 74; false alarm; no fire; corner of Cross and West streets.

Thursday, November 24, 3:00 p. m. Still alarm; rubbish on fire in rear of Central Fire Station; no damage.

Saturday, November 26, 1:27 p. m. Box 312; No. 275 Lowell street; brick building; owned and occupied by the U. S. Bobbin Company; damage to building, \$26.78; damage to contents, none; cause, shaving shoot on fire.

Tuesday, November 29, 4:00 p. m. Still alarm; No. 50 Lowell street; frame building; owned and occupied by Robert Smith; no damage; cause, gasoline on fire.

Thursday, December 1, 7:15 a. m. Box 25; No. 460 Haverhill street; frame building; owned by Charles Bernadin; occupied by Edmond Valcourt; damage to building, \$23.00; damage to contents, \$41.00; cause, defective flue.

Thursday, December 1, 11:00 a. m. Box 27; in rear of 32-34 Water street; frame building; owned by Louis Franks; occupied by Young Brothers; damage to building, \$500.00; damage to contents, \$1200.00; cause, spark from picker machine.

Thursday, December 1, 11:02 p. m. Box 27; in rear 32-34 Water street; same place; owned by Louis

Franks; occupied by Young Brothers; cause, cotton bales smouldering from fire in forenoon.

Friday, December 2, 11:59 a. m. Still alarm; Young Brothers' Mattress Factory; cotton bales on fire; no damage.

Friday, December 2, 6:35 p. m. Still alarm; No. 10 Bromfield street; smoky chimney; building owned by M. Wilson; no damage.

Saturday, December 3, 2:35 p. m. Still alarm; automobile on fire in street; owned by F. Ellis; no damage.

Tuesday, December 6, 10:56 a. m. Box 15; No. 319 Oak street; frame building; owned by E. Halley Heirs; occupied by T. Ghinie; no damage; cause, thawing water pipes.

Wednesday, December 7; still alarm at 1:18 a. m.; alarm followed by Box 54, 1:23 a.m.; second alarm Box 6, 1:40 a. m.; brick building, called the Old High School on Haverhill street; owned and occupied by City of Lawrence; damage to building, \$55,294.91; damage to contents, \$3,600.00; cause, unknown.

Wednesday, December 7, 4:36 p. m. Box 76; No. 6 Fairmont street; frame building; owned by Charles McSweeney; occupied by M. Sullivan; no damage; cause, pot of meat burning on stove.

Wednesday, December 7, 5:05 p. m. Box 28; No. 27 Margin street; frame building; owned by Louis Selare; occupied by John McLoughlin; damage to building, \$10.00; damage to contents, \$24.00; cause, unknown.

Thursday, December 8, 7:05 p. m. Still alarm; ruins smouldering at Old High School, Haverhill street; no damage.

Friday, December 9, 3:18 a. m. Box 83; No. 130 Union street; frame building; owned by Mrs. Annie Rupe; occupied by Andrew Killerer; damage to building, \$62.00; damage to contents, \$12.00; cause, unknown.

Friday, December 9, 8:55 p. m. Still alarm; No. 44 Valley street; frame building; owned by H. J. Marks; no damage; smoky chimney.

Saturday, December 10, 7:30 a. m. Still alarm; in rear 383 Elm street; frame stable; owned by John Morrissey; occupied by George Jacobs; no damage; cause, careless use of candle.

Saturday, December 10, 3:30 p. m. Still alarm; No. 199 Water street; frame building; owned by John Bartle; occupied by John Bartle; no damage; cause, soot burning in chimney.

Sunday, December 11, 5:47 a. m. Box 71; No. 384 Broadway; glass house; owned by Thornton

Brothers; occupied by Thornton Brothers; damage to building, \$300.00; damage to contents, \$500.00; cause, overheated furnace.

Sunday, December 11, 7:50 a. m. Still alarm; No. 247 Lowell street; frame building; owned and occupied by J. Archerbo; no damage; smoky stove.

Sunday, December 11, 11:25 a. m. Still alarm; No. 108 Tremont street; rubbish on fire in back yard; owned and occupied by B. C. Webster; no damage.

Sunday, December 11, 1:31 p. m. Still alarm; No. 219 Park street; frame building; owned by Patrick Dempsey; occupied by Mary Sparrows; damage to building, \$30.00; damage to contents, none; cause, thawing water pipes.

Monday, December 12, 1:55 p. m. Still alarm; No. 32 Emmett street; building; owned and occupied by John J. Cullinane; no damage; cause, defective flue.

Wednesday, December 14, 11:34 a. m. Still alarm; No. 347 Haverhill street; frame building; owned by A. Lernard; no damage; cause, chimney fire.

Wednesday, December 14, 7:10 p. m. Box 15; Marion avenue; near city stables; frame building, used as storehouse for old paper; owned and occupied

by Nat. Rankin; damage to building, none; damage to contents, \$17.12; cause, someone smoking.

Thursday, December 15, 9:52 a. m. Box 72; No. 348 Chestnut street; frame building; owned by Paul Joseph; occupied by Mrs. C. Plum; damage to contents, \$10.00; cause, child playing with matches.

Thursday, December 15, 8:41 p. m. Still alarm; No. 110 Hampshire street; frame building; owned by John Lucy; occupied by Samuel DeMars; no damage; cause, lighted match dropped on some rags.

Friday, December 16, 5:26 p. m. Still alarm; No. 118 Spruce street; frame building; owned and occupied by Horace Unwin; no damage; cause, steam escaping; no fire.

Friday, December 16, 9:44 p. m. Still alarm; No. 409 Essex street; brick building; owned by H. Plummer Heirs; no damage; cause, man lighting pipe with some paper in cellar.

Sunday, December 18, 11:03 a. m. Box 214; No. 506 Common street; building owned by William Fitzgerald; occupied by Mrs. L. LaBelle; damage to building, \$50.00; damage to contents, \$5.00; cause, rats and matches.

Monday, December 19, 1:41 p. m. Automatic alarm; No. 10 West street; building owned and occupied by H. K. Webster Company; no damage.

Tuesday, December 20, 9:42 a. m. Still alarm; No. 173 High street; hot ashes on fire in shed; owned and occupied by Martin Szeslak; damage, \$10.00.

Tuesday, December 20, 5:12 p. m. Still alarm, followed by Box 5; Nos. 15 and 17 Common street; frame building; owned by William Moolie and others; occupied by Joseph Medek; damage to building, \$200.00; damage to contents, none; cause, unknown.

Tuesday, December 20, 6:12 p. m. Box 12; No. 252 Elm street; frame building; owned by Rocco Mille; damage to building, \$45.00; damage to contents, \$25.00; cause, unknown.

Wednesday, December 21, 10:10 a. m. Still alarm; No. 102 Margin street; frame building; owned by M. A. Trumball; occupied by R. Healy; damage to building, \$10.00; damage to contents, none; cause, child with matches set fire to draperies.

Thursday, December 22, 2:01 p. m. Box 12, corner of Lawrence and Oak streets; false alarm; caused by man working on box.

Friday, December 23, 10:16 p. m. Still alarm; No. 46 Valley street; frame building; owned by M. Marks; no damage; cause, window curtain took fire from lighted lamp; no damage.

Saturday, December 24, 12:55 p. m. Still alarm; No. 248 Park street; frame building; owned by John

Burns; occupied by M. Bingham; damage to building, \$75.00; damage to contents, \$50.00; cause, rats and matches.

Saturday, December 24, 4:13 p. m. Still alarm; corner of Essex and Newbury streets; electric car on fire; owned by the Boston & Northern Street Railway; no damage; cause, break in wire.

Wednesday, December 28, 12:30 p. m. Box 12; No. 44 Lawrence street; frame building; owned by B. Jelsusky; occupied by Mrs. M. Pevuer; no damage; cause, oil stove on fire.

Thursday, Decemebr 29, 12:30 p. m. Still alarm; No. 204 High street; building owned by Benjamin Cranshaw; occupied by Albert Glendye; no damage; cause, soot burning in chimney.

Friday, December 30, 1:39 p. m. Box 242; No. 131½ Lawrence street; frame building; owned by Walter Coulson; no damage; cause, unknown.

Friday, December 30, 5:15 p. m. Still alarm; No. 85 Garden street; frame building; owned by John Pekalo; occupied by John Pekalo; no damage; cause, soot burning in chimney.

Friday, December 30, 6:12 p. m. Still alarm; Marion avenue; fire on dump; owned by City of Lawrence; no damage; cause, burning rubbish.

Saturday, December 31, 9:02 p. m. Box 124; No. 11 Washington Way; brick building; owned by the Wood Worsted Company; no damage; cause, unknown.

Report of the Superintendent of Fire Alarm Telegraph

Headquarters Central Fire Station,
Lowell Street,

December 31, 1910.

To His Honor, the Mayor, and Gentlemen of the City
Council of the City of Lawrence.

GENTLEMEN:—

I have the honor to submit for your consideration, the sixty-second annual report of the Fire Alarm Telegraph System, connected with the Lawrence Fire Department, being the report for the year ending December 31, 1910.

The report gives a statement of the receipts and expenditures for the year, the number of instruments, gongs, strikers, bells, etc., used by the system, and such other information as may be of interest to the City Council.

The system has been used 140 times to give alarms for fires, and on all occasions its workings have been satisfactory.

FINANCIAL EXHIBITS.

Receipts.

Appropriation	\$1,800.00
Receipts,	348.36
Overdraft,	3,057.80
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Total,	\$5,206.16

Expenditures.

Pay roll and miscellaneous,	\$5,206.16
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INSTRUMENTS IN CIRCUITS AT FIRE ALARM HEADQUARTERS.

One twelve-circuit operating board.

One twenty-circuit protector board.

One eight-circuit charging board.

One fourteen-circuit charging board.

One twelve-circuit automatic repeater.

One five-circuit automatic speed transformer.

One one-dial, four plate manual transmitter.

Three four-circuit recording pin registers and take-up reels.

One electric mechanical punching register and take-up reel.

One five-inch upright signal tapper.

Four battery racks, 601 two-plate storage battery cells.

Connected with the protector board are 18 circuits, divided as follows:

Four tapper or fast time circuits running direct to engine houses.

Three bell or slow time circuit running to engine houses and tower bells.

Eleven box circuits for fire alarm boxes only.

There are on the tapper or fast time circuits 15 tappers, two gongs, 13 indicators, 10 door trips, 11 light trips and 11 relays. These are on the bell or slow circuits, 11 gongs and tower bells, 1 street gong. These are on the box circuits, 120 boxes, 36 of which are private.

LOCATION OF FIRE ALARM SIGNAL BOXES.

- 12 Lawrence, corner of Oak.
- 13 Essex, corner of Lawrence.
- 14 Essex, corner of Hampshire.
- 15 Hampshire, corner of Oak.
- 16 Broadway, corner of Park.
- 17 Hampshire, corner of Valley.
- 18 Broadway, corner of Tremont.
- 19 East Haverhill.
- 112 Clegg's Mills, South Canal.
- 113 South Broadway, corner of Crosby.
- 114 Newton, corner of Durham.
- 115 Andover, corner of Beacon.
- 116 South Broadway, corner of Andover.
- 117 South Broadway, corner of Inman.
- 118 South Broadway, corner Mt. Vernon.
- 119 Andover, corner of Newton.
- 121 Andover, corner of Parker.
- 124 Springfield, corner of Foster.
- 125 Osgood, corner of Portland.
- 126 Market street, opposite Emerson Mfg. Co.
- 127 Boston & Northern car barn, Merrimack street.
- 128 South Union, corner of Foster.
- 129 Osgood, corner of Farnham.
- 131 Essex, corner of Appleton.
- 132 Essex, corner of Newbury.
- 141 Upper Pacific Mills.
- 142 Atlantic Mills.
- 143 Lower Pacific.
- 144 Washington Mills.

- 145 Pemberton Mills.
- 146 Everett Mills.
- 147 International Paper Co., Canal street.
- 148 Duck Mill, Union street.
- 151 County Jail, Auburn street.
- 152 McCabe Boiler Works, Water street.
- 153 B. & M. car works.
- 154 Salem, corner of Parker.
- 156 Lewis' Mill, South Canal.
- 161 Arlington Mills, Broadway.
- 162 Arlington Mills, Manchester street.
- 21 Essex, corner of Broadway.
- 23 Essex, corner of Oxford.
- 24 Essex, corner of Warren.
- 25 Haverhill, corner of Margin.
- 26 Water, corner of Mason.
- 27 Water, corner of Chandler.
- 28 Margin, corner of Hancock.
- 29 Doyle, corner of Floral.
- 212 Pingree Box Shop, Inman street.
- 213 Cold Spring Brewery, South Union.
- 214 Essex, corner of Franklin.
- 215 Merino Mills, South Union street.
- 221 General Hospital, Prospect street.
- 222 No-School, if struck at 7:30 a. m. and 6:30 p. m.
- 224 Essex, corner of Amesbury.
- 225 Wood Mills, Merrimack street.
- 226 Wood Mills, Union street.
- 227 Ayer Mills, South Union street.
- 229 Brightwood Mfg. Co., Merrimack street.

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- 231 Colonial Theatre, Hampshire street.
232 Lawrence Lumber Co., Essex, corner of Oxford.
241 Beach Soap Co., Marston street.
242 Beach Soap Co., Lawrence street.
243 Archibald Wheel Co., West street.
244 East Haverhill, corner of Marston.
251 Emmons Loom Harness Co., May street.
31 Broadway, corner of Lowell street.
32 Essex, corner of Jackson.
34 Arlington, corner of Exchange.
35 Hampshire, corner of Park.
36 Lawrence, corner of Park.
37 Knox, corner of Thorndike.
38 Myrtle, corner of Bennington.
39 Trenton, corner of Buswell.
312 U. S. Bobbin Co., Lowell street.
333 Police Call.
341 Arlington, corner of Tenney.
342 English Social Club, Hampshire, corner of Center.
343 Avon, corner of Harvard.
344 City Stables, Marion avenue.
361 Lawrence, corner of Stearns avenue.
41 Haverhill, corner of Ames.
42 Lowell, corner of Milton.
43 Railroad, corner of May.
45 Cypress, corner of Pearl.
46 Lowell, corner of Greenwood.
47 Haverhill, corner of Jennings.
49 Haverhill, corner of Crescent.
5 Essex, corner of Union.

- 51 Berkeley, corner of Montgomery.
- 52 Ladder 4, Franklin, corner of Concord.
- 53 Central Fire Station, Lowell street.
- 54 Oak, corner of Short.
- 6 Jackson, corner of Oak.
- 61 Prospect, corner of Fulton.
- 62 Braid Mill, Island street.
- 63 Marston, corner of River.
- 64 City Farm, Marston street.
- 65 Marston, corner of Prospect.
- 67 County Training School.
- 68 Lawrence Gas Works, Marston, corner of River.
- 7 Jackson, corner of Park.
- 71 Broadway, corner of Cross.
- 72 Chestnut, corner of White.
- 73 Haverhill, corner of West.
- 74 West, corner of Manchester.
- 75 Daisy, corner of Holly.
- 76 Cross, corner of Franklin.
- 8 East Haverhill, corner of High.
- 81 East Haverhill, corner of Ferry.
- 82 Prospect, corner of Ferry.
- 83 Haverhill, corner of Union.
- 84 Newbury, corner of Summer.
- 85 Globe Mill, Allen street.
- 86 Ferry, corner of Home.
- 812 Newbury, corner of Elm.
- 9 Howard, corner of Pleasant.
- 91 Howard, corner of Platt.
- 92 Ferry, corner of Pleasant.

WEIGHT OF ALARM BELLS.

John R. Rollins school bell,	3984 lbs.
City Hall bell	3446 lbs.
Cross street tower bell	3114 lbs.
Pacific Mill bell	2360 lbs.
Parker street church bell	1557 lbs.
A. B. Bruce bell	6143 lbs.

Respectfully submitted,

WILLIAM MACREADIE,

Acting Supt. of Fire Alarm Telegraph.

ANNUAL REPORT
OF THE
Overseers of the Poor
OF THE
CITY OF LAWRENCE,
MASSACHUSETTS.

FOR THE YEAR ENDING DECEMBER 31, 1910.



LAWRENCE, MASS.
AMERICAN-SUN PRINT,
1910.

IN BOARD OF ALDERMEN,

March 13, 1911.

Accepted without reading.

EDWARD J. WADE, *City Clerk.*

IN COMMON COUNCIL,

March 20, 1911.

Accepted in concurrence.

RICHARD J. SHEA, *Clerk.*

Report of the Overseers of the Poor.

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL OF THE
CITY OF LAWRENCE.

GENTLEMEN:—

The Board of Overseers of the Poor herewith submits its annual report for the year ending December 31, 1910.

FINANCIAL STATEMENT.

RECEIPTS.

Amount appropriated by the City Council for the year 1910,	\$45,000.00
Amount appropriated by the City Council for Laundry, 1910	5,000.00
Amount received from the Commonwealth for temporary aid,	4,740.58
Amount received from the Commonwealth for sick aid,	1,829.86
Amount received from the Commonwealth for burials,	1,022.00
Amount received from Cities and Towns,...	1,955.59
Amount received from James J. Stanley,...	1,809.77
Amount received from City Pharmacist,...	87.94
Amount received from Essex County.....	8.00
Total Receipts,	\$61,453.74

EXPENDITURES.

Almshouse bills,	\$31,565.38	
Almshouse salaries	8,405.20	
Dispensary bills,	2,467.23	
Fuel bills,	2,121.50	
Burial bills,	1,531.00	
Grocery bills,	23,885.00	
Miscellaneous bills,	1,051.35	
Salaries,	2,550.00	
Cities and Towns,	1,908.68	
Board bills,	371.50	
Rent bills,	237.50	
Commonwealth of Massachusetts,	324.38	
Massachusetts Commission of Blind,	45.43	
Ladies' Union Charitable Society,	51.00	
Orphan Asylum,	2,678.23	
Massachusetts Hospital School,	891.41	
Ward Physician Salaries,	650.00	
Overseer of Poor Salaries,	300.00	
St. John Industrial School,	169.00	
Laundry bills,	5,757.94	
		<hr/>
Total Expenditures,		\$86,961.73
Receipts,		61,453.74
		<hr/>
Overdraft,		\$25,507.99

OUT-DOOR RELIEF.

1909.		1910.	
Ward 1,	\$ 1,581.00	Ward 1,	\$ 2,192.00
Ward 2,	2,799.40	Ward 2,	2,587.00
Ward 3,	4,923.50	Ward 3,	5,661.00

Ward 4,	3,299.90	Ward 4,	3,107.60
Ward 5,	3,048.25	Ward 5,	3,103.50
Ward 6,	1,943.50	Ward 6,	2,659.50
	<hr/>		<hr/>
	\$17,586.55		\$19,310.60

NOTES.

Medical applications during the year,	487
Commitments to City Home during the year,	487
Commitments to State Hospital during the year,	205
Histories written during the year,	589
City paupers buried during the year,	36
State paupers buried during the year,	114
Children now in local Institutions,	40
Office furniture and clerk's outfit,	\$ 600.00
Total cost of burial of State paupers,	1,038.00
Total cost of burial of City paupers,	380.00

Respectfully submitted,

DANIEL F. KILEY,

Clerk.

Annual Report of Superintendent of Almshouse.

TO HIS HONOR, THE MAYOR, AND OVERSEERS OF THE POOR.

GENTLEMEN:—

Following are the Receipts and Expenditures of the Almshouse for the year ending December 31, 1910.

RECEIPTS.

Amount paid Treasurer,	\$1,830.77	
Amount received from State and City cases,	928.65	
	<hr/>	
Total Receipts,		\$2,759.42

EXPENDITURES.

Amount paid for provisions and other supplies,	\$31,565.38	
Salaries of Superintendent, Physician and Attendants,	8,405.20	
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Total Expenditures,		\$39,970.58

Number admitted to Almshouse,	487
Number admitted to Hospital,	368
Number died,	74
Number of children born,	10
Average weekly cost of people,	\$3.12
Average number of people,	180
Present number of people,	185
Ambulance responded to calls,	294

The Products of the Farm consisted of:

120 barrels of cabbage.
15 barrels of turnips.
120 barrels of squash.
135 bushels of potatoes.
50 bushels of tomatoes.
40 bushels of cucumbers.
15 bushels of onions.
80 bushels of apples.
50 tons of hay.
10 tons of fodder corn.

The Institution and Out Buildings have undergone extensive improvements and repairs, and with new Laundry Building and Machinery, an X-Ray for the Hospital, the purchase of Horses and the erection of an extra Out Building, in all necessitating an extra cost of \$10,000 which was sanctioned by the Board of Overseers, explains the extra amount expended in this department.

My thanks are due to His Honor, the Mayor,

and members of the Board for the courtesy extended on all occasions.

Respectfully submitted,

JAMES J. STANLEY,

Supt. of Almshouse.

Schedule of Property at the Alms-house.

Farm 37 acres,	\$ 11,100.00
Brick building,	16,000.00
New brick building,	70,975.00
Boiler house,	5,000.00
Nurses' and Superintendent's building,	8,000.00
Hospital and annex,	20,000.00
Office furniture,	50.00
Waiting room,	25.00
Kitchen, store room and shed in front house,	250.00
Attendants' dining room,	100.00
Superintendent's store room,	500.00
Barn and Out buildings,	4,000.00
New Laundry and Machinery,	8,000.00

OLD BRICK BUILDING.

Women's ward, 1st floor,	100.00
Women's ward, 2d floor,	200.00
Old sewing room,	100.00
Sewing room, new building,	400.00
Women's dining room,	100.00
Women's day room,	50.00
Women's Dormitory,	800.00
Men's Dormitory,	800.00
Men's Dormitory, 1st floor,	300.00
Men's day and dining room,	150.00

Sitting room and sleeping room,	150.00
Kitchen and pantry,	500.00

HOSPITAL.

Hospital dispensary	150.00
Hospital kitchen,	100.00
Linen room,	100.00
Rooms, 1st floor,	200.00
Operating room and X-Ray,	2,000.00
Rooms, 2d floor,	200.00
Men's ward with store room,	300.00
Bath tubs,	100.00
Female wards with store room,	400.00
Kitchen and office,	200.00
Bake room and store room,	600.00
Nurses' rooms,	150.00
Fire hose and fixtures,	200.00
Miscellaneous,	400.00
Live stock,	1,600.00
Hay, grain and produce,	500.00
Farming implements, Ambulance, etc.,	700.00

Total,\$155,550.00

Approved by Alderman William Callahan, *Chairman*.

Henry C. Schueler

David D. Daley.

Report of City Pharmacist.

LAWRENCE, MASS., DECEMBER 31, 1910.

TO HIS HONOR, THE MAYOR, AND OVERSEERS OF THE POOR.

GENTLEMEN:—

The following is the report of the City Pharmacist for the year ending December 31, 1910.

Amount expended, ..\$1,467.23	Total amt. expended \$2,467.23
Salary,1,000.00	Assets, 130.76

Total amt. expended, \$2,467.23	Net expenditures, ...\$2,336.47
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Amount received from Board of Health,\$41.13

Amount received from Police Department, 21.73

Amount received from Tuberculosis Hospital, ... 25.08

Total Receipts,	\$87.94
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The amount of Drugs, Medicines and furnishings on hand is as follows:

Fixtures and furnishings,\$ 586.26

Drug appliances, 110.00

Drugs and Medicines, 1,035.57

Total,	\$1,731.93
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Stock of Drugs and Medicines on hand December 20th, \$1,035.57 which is \$42.85 more than last year.

Receipts,\$ 87.94	Amount expended, ..\$2,467.23
Increase of stock, 42.85	Receipts, 130.76
Total Receipts, ....\$130.79	Net expenditures, ...\$2,336.47

This is fifty dollars and eighty-three cents (\$50.83) less than last year.

I thank the Mayor and Overseers of the Poor for the courteous treatment received by me during the year.

Respectfully submitted,

DENNIS F. DONOVAN,

City Pharmacist.

ANNUAL REPORT
OF THE
Superintendent of Streets
OF THE
CITY OF LAWRENCE,
MASSACHUSETTS.

FOR THE YEAR ENDING DECEMBER 31, 1910.



LAWRENCE, MASS.
AMERICAN-SUN PRINT,
1910,

IN BOARD OF ALDERMEN,

February 20, 1911.

Accepted without reading.

EDWARD J. WADE, *City Clerk.*

IN COMMON COUNCIL,

March 6, 1911.

Accepted in Concurrence.

RICHARD J. SHEA, *Clerk.*

Annual Report of the Superintendent of Streets.

TO HIS HONOR, THE MAYOR, AND MEMBERS OF THE CITY GOVERN-
MENT OF THE CITY OF LAWRENCE.

GENTLEMEN:—

I herewith respectfully submit the Thirty-Second Annual Report of the Superintendent of Streets for the year ending December 31, 1910.

STREET WATERING.

Number of carts in use,	18
Number used with street roller,	1
Total,	19
Electric Street Sprinklers,	2

COST OF WATERING.

May,	\$ 2,802.50
June,	2,905.00

July,	3,747.50
August,	3,570.00
September,	2,670.50
October,	2,914.50
November,	1,100.00
<hr/>	
Total,	\$19,710.00
Repairing stand pipes,	1,015.33
Paid to Water Board,	2,303.75
<hr/>	
Total cost of street watering,	\$23,029.08

NEW MACHINERY.

One Road Roller.
 One Scraping Machine.
 One Street Sweeper.
 One Tar Tank.
 One Flushing Machine.
 One Concrete Mixer.
 One Gasoline Sewer Pump.
 Three Sanitary Carts.
 Three Snow Ploughs.
 One Jigger Wagon.
 One Set Heavy Shear Poles.
 One Set Heavy Chain Falls.

NEW CROSSINGS.

Alder and Walnut (2).
 Belmont and Avon.
 Brook and Union.
 Bruce and Avon (2).
 Center and Hampshire.

Cambridge and Winthrop ave.
 Durant and Wilmot.
 Daisy and Holly.
 Franklin between Essex and Methuen.
 Harvard and Avon.
 Haverhill between Newbury and East Haverhill.
 Howarth and Haverhill.
 Manchester and May.
 Medford and Chandler.
 Marston and Plymouth Mills.
 Oxford and Medford.
 Trenton and Park.
 Wilmot and Avon.
 Winter and Melvin (2).
 Woodland and Allston.
 Woodland and Pleasant.
 Woodland and Kress.

MACADAM.

	Feet.
Andover from Parker to R. R. crossing,	900
Berkeley Court,	400
Kress from Woodland, easterly,	750
May from Manchester to Railroad,	1200
Parker from Andover to R. R. crossing,	2000
Sheridan from Prospect to Jackson,	600
So. Union from Grafton to R. R. bridge, southerly,	3400
Thorndike from Knox to Saunders,	300
Woodland Court,	600
Winthrop avenue from So. Union to Cambridge,	600
Winthrop avenue from Cambridge to Andover,	800

NEW BLOCK PAVING.

Essex St. Alley from Amesbury, westerly.
Essex St. Alley from Franklin, easterly.
Essex St. Alley from Jackson to Newbury.
Franklin from Essex to Common.
Hampshire from Center to Lawrence.
Lawrence from Common to Lowell.
Lawrence from Oak to Park.
Railroad from Haverhill, northerly, 600 feet.

WOOD BLOCK PAVING.

Lawrence street from Lowell to Oak, 2,186 yards.
Laid about 16 miles of cinder sidewalks.

NEW COBBLE GUTTERS.

Allston from Woodland, easterly.
Berkeley from Bruce to Saunders.
Bruce from Avon, southerly.
Eutaw from Buswell.
Lowell from Hampshire to Franklin.
Stearns avenue from Saratoga, 150 feet.
Valley from Hampshire, westerly, 800 feet.
Winter from Lowell to Melvin.
Woodland from Woodland court, 300 feet.

COBBLE GUTTERS RELAID.

Butler from Milton, westerly.
Butler from Warren, easterly.
Dartmouth, 150 feet.
East Haverhill from Oak to Elm.
Franklin from Concord.

Jackson, near Common, 200 feet.
 Marston from Prospect.
 Union from Mechanic.
 Winter from Melvin to Essex.

OILING.

Bailey from Phillips to Parker.
 Bellevue.
 Currant Hill road.
 So. Union from Andover to R. R. bridge, southerly.
 Winthrop avenue from So. Union to Cambridge.

SIDEWALKS.

Streets.	Frontage, Feet.	Cost.
Fern, N. W., cor. Saratoga,	82.20	79.72
Saratoga, N. W., cor. Fern,	31.00	31.78
Fern, S. W., cor. Saratoga,	82.20	79.72
Dewey, S. W., cor. Nesmith,	46.30	46.30
Nesmith, S. W., cor. Dewey,	59.50	60.58
Walnut,	40.00	40.20
Walnut,	40.00	40.20
Cedar, S. W., cor. Broadway,	103.73	112.28
Berkeley,	60.40	61.76
Jackson, N. W., cor. Berkeley,	44.45	47.78
Margin,	105.00	110.78
Margin,	30.00	31.64
Chestnut,	60.00	22.50
Chestnut,	25.00	9.38
Union, N. W., cor. Methuen,	78.00	83.84
Turner, S. E., cor. Elm,	30.00	29.18
Turner,	107.00	104.82
Turner,	30.00	29.18

Streets.	Frontage, Feet.	Cost.
Turner,	95.00	92.38
Turner,	30.00	29.18
Turner,	60.00	58.36
Turner,	30.00	29.18
Belmont,	64.00	65.28
Saunders,	50.00	51.76
Floral,	64.97	66.30
Floral,	59.92	61.10
Floral,	59.70	60.90
Floral,	50.00	51.00
Floral,	59.50	60.70
Floral,	75.00	76.50
Hancock, S. W., cor. Mason,	58.60	61.54
Mason, S. W., cor. Hancock,	218.00	231.08
Freeman, S. W., cor. Melrose,	98.00	88.20
Freeman,	56.00	50.40
Freeman,	28.00	25.20
Freeman,	20.00	18.00
Ames,	60.00	59.40
Ames, north to Haverhill,	316.00	332.24
Bradford, S. E. cor. to Winslow place, ..	51.00	54.06
Winslow place, S. E., cor. Bradford, ...	50.00	45.88
Bradford, S. E. cor., Bradford place, ...	61.15	64.20
Ames, N. E. cor. Haverhill,	164.05	168.00
Ames,	82.50	84.56
Byron ave.,	55.00	57.90
Byron ave.,	50.00	52.62
Byron ave.,	50.00	53.50
Lynch, N. E., cor. Butler,	90.00	82.58
Lynch,	40.00	38.40
Walnut,	80.00	81.40
Walnut,	40.00	40.60
Walnut,	40.00	41.60

Streets.	Frontage, Feet.	Cost.
Walnut,	40.00	41.60
Spruce,	50.00	52.50
Tenney, W. side Methuen line,	26.00	26.52
Lawrence,	40.00	47.28
Holton,	60.00	60.30
Hillside ave., N. W., cor. Haverhill,	100.00	101.74
Hillside ave.,	63.68	64.80
Hillside ave.,	63.68	64.80
Hillside ave.,	63.68	64.80
Hillside ave.,	60.00	61.04
Hillside ave.,	60.00	61.04
Hillside ave.,	60.00	60.14
Hillside ave.,	100.00	101.74
Highgate,	70.00	74.90
Bailey,	50.00	53.74
Bailey,	50.00	53.74
Bailey,	50.00	53.74
Phillips,	123.81	132.48
Salem,	60.00	70.04
Salem,	124.44	145.28
Salem,	40.00	45.90
Salem, N. E., cor. Market,	81.20	93.18
Abbott,	50.00	53.24
Abbott,	50.00	53.00
Abbott, N. W., cor. Phillips,	60.00	63.60
Farnham,	100.00	106.50
Bailey, N. E., cor. Phillips	100.00	107.50
Bailey,	80.00	86.00
Phillips, East side, Bailey to Salem,	223.81	242.82
Salem, S. E., cor. Phillips,	100.00	126.00
Salem,	60.00	75.60
Salem,	50.00	58.50
Salem,	50.00	58.50

Salem,	50.50	58.74
Salem, S. E., cor. Osgood,	160.00	193.46
Osgood, S. E., cor. Salem,	100.00	117.50
Hampshire,	40.00	42.50
Hampshire,	40.00	42.50
Hampshire,	40.00	42.50
Hampshire,	40.00	42.50
Hampshire,	40.00	42.52
Hampshire,	40.00	42.50
Hampshire,	40.00	42.50
Hampshire,	40.00	42.50
Hampshire,	27.00	28.68
Hampshire, N. W. cor. Arlington,	150.00	153.36
Hampshire, N. W., cor. Arlington,	40.00	40.90
Hampshire, N. W., cor. Arlington,	147.50	150.82
Hampshire, S. E., cor. Center,	40.00	41.30
Hampshire, S. E. cor. Center,	60.00	61.94
Hampshire, S. E., cor. Center,	40.00	42.20
Hampshire, S. E., cor. Center,	40.00	40.80

(GRANOLITHIC) SIDEWALKS.

Streets.	Frontage, Feet.	Cost.
Common, N. E., cor. Broadway,	17.00	29.00
Broadway, N. E., cor. Common,	36.00	94.50
Broadway,	71.00	168.52
Broadway,	38.00	89.36
Broadway,	55.00	130.58
Elm, N. E., cor. Lawrence,	35.00	74.90
Lawrence, N. E., cor. Elm,	93.70	238.00
Jackson, S. E., cor. Common,	93.00	174.84
Common, S. E., cor. Jackson,	50.00	96.50
Hampshire, N. W., cor. Lowell,	93.00	141.36
Lowell, N. W., cor. Hampshire,	41.00	64.36
Sunset, So. Law. to Lawrence,	573.00	1159.76

Sunset, So. W.	573.10	1167.98
Saratoga, W. Stearns to Lawrence,	228.82	465.88
Saratoga, N. W., cor. Sunset,	116.62	226.58
Ames, N. E., cor. Essex,	70.75	153.52
Essex, N. E., cor. Ames,	95.35	150.64
Ames, E., bet. Essex and Lowell,	82.00	177.94
Concord, N. W., cor. Franklin,	56.00	84.56
Franklin, N. W., cor. Concord,	51.00	76.00
Byron,	50.00	63.20

STREETS GRADED, 1910.

Archer, westerly,	500	Feet
Basswood from Alder, northerly,	300	"
Barker from May,	600	"
Bennington from Chestnut to Marion ave.,	600	"
Birch from Stearns ave., southerly,	400	"
Center from Spruce to Chelmsford,	250	"
Currier from Wilmot, westerly,	350	"
Eutaw from Park to Fitz,	550	"
Emmett from Kingston to Newton,	800	"
Exchange from Alder, southerly,	400	"
Haverhill from Newbury to Union,	600	"
Harvard from Avon to Currier,	300	"
Irving ave. from Jackson to Wilmot,	500	"
Juniper from Alder, northerly,	250	"
Lea from Tenney to Wyman,	450	"
Marston from East Haverhill,	300	"
Melvin,	400	"
Merrimac from Ayer Mills,	500	"
Methuen from Hampshire to Amesbury,	600	"
Nesmith from Essex to Pearl,	250	"
Salem from Parker, westerly,	400	"
Sunset ave. from Saratoga, westerly,	500	"

Tenney from Park to Arlington	750	"
Tower Hill from Lowell, southerly,	350	"
Vine from E. Haverhill to Prospect,	750	"
Walnut from Arlington to Alder,	750	"
Walnut from Myrtle to Irving ave.,	400	"
Warren from Lowell to Butler,	250	"
Washington from Acton, northerly,	250	"
Weare from Broadway, westerly,	300	"
Wilmot from Avon to Durant,	350	"
Willow from Arlington, northerly,	500	"
Winter from Lowell to Essex,	1000	"
Woodland from Allston to Platt,	1600	"

CESSPOOLS (NEW)

Cor. Lawrence and Sunset ave.,	68.31
Cor. Avon and Fitz,	75.36
Cor. Arlington and Spruce,	77.70
Cor. Kendrick and Jackson,	71.50
Four on Merrimac St. near Ayer Mill,	179.95
Cor. Jackson and Kendrick,	63.00
Cor. Irving Ave. and Saratoga,	48.40
Cor. Air Line Road and Glennies,	23.45
Cor. Bennington and Fern,	72.66
Cor. Butler and Milton,	68.21
Cor. Pearl and Linden,	42.56
Cor. Foster and Boxford,	66.06
Cor. Melrose and Melrose Court,	62.01
Cor. Boxford and So. Union,	80.51
Cor. Dorchester and So. Union,	76.86
Cor. Bruce and Park,	82.41
Cor. Russell and Auburn,	70.16
Two cor. Franklin near Essex,	103.92
Cor. Lowell and Nesmith,	76.91

Cor. Towerhill and Lowell,	70.46
Cor. Winter near Lowell,	70.06
Cor. Woodland and Allston,	62.86
Cor. Bruce and Thorndike,	66.46
Cor. Woodland and Pleasant,	63.41
Cor. Kress and Woodland,	70.03
Woodland near Kress,	71.56
Cor. Pleasant and Woodland,	77.03
Sargent near Clark,	66.31
Cor. Clark and Sargent,	65.51
Cor. Sargent and Sargent Court,	67.26
Cor. Lowell and Broadway,	67.56
Cor. Cross and Broadway,	67.06
Cor. Concord and Broadway,	68.66
Cor. Platt and Howard,	61.81
Three on Broadway between Lowell and Bradford,	55.10
S.E. cor. Bradford and Broadway,	22.45
S.W. cor. Oxford and Essex,	22.15
S.W. cor. Broadway and Acton,	21.50
S.E. cor. Broadway and Broadway ave.,	21.70
N.W. cor. Broadway and Broadway ave.,	21.70
Broadway, north of Holly,	22.65
Two, Essex, west of Oxford,	17.50
Two, East side Oxford street,	14.75
N.E. cor. Lawrence and Oak,	23.20
S.E. cor. Broadway and Cross,	28.16
Broadway, north of Valley,	21.50
Broadway, north of Cross,	24.75
N.E. cor. Broadway and Common,	21.65
S.W. cor. Boxford and Winthrop ave.,	20.65
Two, Lawrence near Elm,	40.80
East side Appleton near alley,	34.55
Cor. Irving ave. and Hampshire street,	21.15
Cor. Hampshire and Myrtle,	21.65

N.W. cor. Broadway and Manchester,	35.60
Cor. Winter and Essex,	5.88
Two Haverhill street,	12.35
Two Hampshire street near Jail,	42.35
Cor. Hampshire and Charden,	43.00
Cor. Hampshire and Chestnut,	42.35
Two cor. Hampshire and Auburn,	47.30
Cor. Lawrence and Maple,	20.88
Cor. Broadway and Park,	23.25
Cor. Lawrence and Chestnut,	21.13
Cor. Broadway and Arlington,	20.63
Cor. Broadway and Whitman,	21.63
Cor. Hampshire and Myrtle,	22.75
Cor. Oak and Lawrence,	20.15
Cor. Lawrence, south of Spicket,	27.05
Broadway, west of Park,	7.95
Cor. Cedar and Broadway,	21.65
Cor. Green and Broadway,	22.15
S.W. cor. Lawrence and Maple,	21.15
N.W. cor. Lawrence and Maple,	7.20
S.E. cor. Lawrence and Oak,	21.65
N.W. cor. Lawrence and Cantillion,	33.01
N.E. cor. Lawrence and Cantillion,	21.65
Garfield street,	5.60
Rear of 80 Valley street,	22.30
N.W. cor. Lawrence and Myrtle,	22.25
Custer street,	12.90
Cor. Broadway and Arlington,	20.60
Cor. Broadway and Stafford,	21.25
Middle street,	42.76
Cor. Union and Orchard,	20.90
15 Allen street,	25.92
Union street and Everett Mills,	21.10
Cor. Allston and Howard,	5.85

Two cor. Platt and High,	40.25
S.W. cor. Pleasant and High,	20.70
Cor. Hampshire and Chestnut,	4.35
Cor. Hampshire and Myrtle,	4.85
Cor. Hampshire and Center,	20.75
Cor. Broadway and Methuen,	5.88
Cor. Hampshire and Auburn,	8.85

CESSPOOLS REPAIRED.

Cor. Elm and Union,	22.65
Cor. Elm and Jackson,	25.10
Cor. Chestnut and Pine,	22.20
Cor. Manchester and R. R. bridge,	27.36
Cor. Haverhill and Oxford,	21.77
Bradford near Amesbury,	23.88
Three on Franklin near Common,	58.65
Cor. Holly and Daisy, .....	.45
Cor. Green and Broadway,	7.15
Bunkerhill near Lawrence,	3.60
Cor. White and Bradford,	3.60
Cor. Carver and Shattuck,	21.70
Cor. Butler and Warren,	5.40
Cor. Lowell and Hampshire,	41.00
Oxford, near old brewery,	21.65
Railroad street,	22.10
Cor. Concord and Broadway,	23.20
Brook street,	11.40
So. Broadway near bridge,	6.96
Cor. Broadway and Concord,	25.55
S.E. cor. Bradford and Broadway,	23.70
N.E. cor. Bradford and Broadway,	24.55
S.W. cor. Haverhill and Broadway,	21.85
Cor. So. Broadway and Saunders Court,	35.05

Cor. Park and Willow,	5.50
N.E. cor. Broadway and Tremont,	27.35
S.E. cor. Broadway and Green,	27.25
S.E. cor. Broadway and Cedar,	29.60
Cor. Cross and Broadway,	31.85
N.E. cor. Appleton and Methuen,	32.65
Cor. Lawrence and Fitz,	5.57
S.E. cor. Acton and Broadway,	30.30
Cor. Haverhill and Railroad,	71.66
Cor. Platt and Howard,	62.36
Cor. Winter and Essex,	85.96
Cor. Woodland and Woodland Court,	62.11
Cor. Cross and Broadway,	62.11
Cor. Cross and Broadway ave.,	55.06
Cor. Foster and Cambridge,	78.31
Cor. Tremont and Broadway,	57.41
Cor. Sheridan and Prospect,	71.76
Cor. Essex and Oxford,	66.36
Cor. Sheridan and Prospect,	61.41
Cor. Osgood and Greenfield,	68.36
Cor. Oxford and Essex,	68.46
Cor. Winthrop ave. and Union,	65.66
Cor. Broadway and Methuen,	67.11
Cor. Medford and Chandler,	62.36
Cor. Lea and Tenney,	71.76
Custer street,	59.56
Cor. Loring and Salem,	70.51
Cor. Stearns ave. and Lawrence,	67.81
Cor. Essex and Winter,	74.56
S. E. cor. Bailey and Phillips,	87.86
S. W. cor. Bailey and Phillips,	84.86
Cor. Elm and Hampshire,	64.86
Charles street near Broadway,	106.51
Cor. Oak and Lawrence,	67.61

Hampshire near Myrtle,	63.56
N. E. cor. Bailey and Phillips,	71.06
N. W. cor. Bailey and Phillips,	70.26
S. W. cor. Farnham and Phillips,	66.11
S. E. cor. Phillips and Farnham,	65.61
Winter near Melvin,	82.36
Cor. Dracut and Brookfield,	75.81
Cor. Chester and Brookfield,	71.81
Haverhill near R. R. crossing,	54.64
Cor. Hampshire and Arlington,	113.86
East side Bennington near Myrtle,	58.66
West side Bennington near Myrtle,	61.96
Cor. Bennington and Marion ave.,	61.86
Alley rear Colonial building,	82.06
Two Lawrence street near Fitz,	106.26
Park west of Rhine,	64.56
Two Oak street near school,	112.92
Lawrence street near Spicket,	62.60
Two on Vine,	131.60
Two on East Haverhill,	126.10
Two on Sheridan street,	136.70
Berkeley Court,	67.35

MANHOLES REPAIRED.

Two, Arlington between Spruce and Chelmsford.
 Cor. Irving ave. and Wilmot.
 Eutaw, south of Park.
 Cor. Bennington and Fern.
 Two, Jackson, north of bridge.
 Franklin between Lowell and Valley.
 Rear 141 Margin.
 Franklin near Common.
 Cor. East Haverhill and High.

Two, rear of old brewery.
East Haverhill near High.
Cor. Nesmith and Ohio ave.
Two, Winthrop ave.
One So. Union near Winthrop ave.
Cor. Bradford and Broadway.
Cor. Tremont and Broadway.
Cor. Broadway ave. and Cross.
Two Broadway between Cross and Cedar.
Broadway, north of Holly.
Cor. Broadway and Lake.
Cor. Broadway and Daisy.
Two Broadway, north of Cross.
Two Oxford and Essex.
Two Camden near Tenney.
Cor. Manchester and Broadway.
Cor. Winter and Essex.
Cor. Margin and Essex.
Three Lawrence street.
Three Broadway near Park.
Cor. Broadway and Charles.
Cor. Broadway and Whitman.
Cor. Broadway and Methuen line.
Cor. Knox street and Bloody Brook.
Cor. Chester and Brookfield.
Cor. Lawrence and Haverhill.
Two Essex near Winter.
Chestnut street alley near Hampshire.
Cor. Broadway and Cedar.
Cor. Broadway and Green.
Cor. Lawrence and Maple.
Two cor. Lawrence and Oak.
Cor. Vine street and Bloody Brook.
Cor. Lea street.

Two cor. Broadway and Lowell.
 Cor. Chestnut and Hampshire.
 Cor. Broadway and Common.
 Cor. Broadway and Methuen.
 Four Parker street.
 Cor. Phillips and Farnham.
 Hampshire near Park.
 Hampshire near Center.
 Hampshire near Myrtle.

NEW MANHOLES ON OLD SEWERS.

Cor. Haverhill and White,	65.40
Jackson between Common and Essex,	67.10
Cor. Jackson and Kendrick,	43.40
Rear 80 Tremont,	50.00
Two So. Broadway near bridge,	145.15
Cor. Jackson and Common,	50.05
Cor. Broadway and Tremont,	39.55
Cor. Broadway and Methuen, west side,	39.60
Cor. Broadway and Methuen, east side,	39.75
Rear 80 Valley,	50.50
Cor. Winter and Essex,	73.60
Allen street alley,	37.10
So. Broadway and Flour Mill,	83.80
Two Bailey and Phillips,	114.30
Two Marion ave. between Pine and Hampshire,	132.35
Rear of 345 Lowell,	80.40
Lawrence and Maple,	80.80
Park near Rhine,	67.35
Lawrence, south of Fitz street,	53.60
Short street near bridge,	55.70

SEWERS, 1910.

Street.	From	To	Size	Man-holes.	Ys.	Length	Cost.
Merrimack	Near So. Union	Westerly	10	3	1	452.6	420.56
Nesmith	Pearl	Essex	10	0	4	273.3	286.96
Common St. Alley	Franklin	Westerly	12	1	0	123.5	660.06
Oxford	Near Lowell	Northerly	10	1	0	86.0	553.14
Milton	Bodwell	Jasper	12	2	3	207.5	510.16
Jasper	Milton	Linden	10	1	2	115.0	361.92
Linden	Jasper	Pearl	10	1	3	156.7	338.30
So. Union	Grafton	Southerly	12	8	59	1948.1	4238.11
Huse	Park	Alder	10	2	12	496.8	986.27
Oxford and Haverhill			10	2	0	158.4	568.00
Ohio	Ames	Nesmith	10	2	9	772.59	772.59
E. Pleasant	Colby	E. Haverhill	8	3	23	595.5	Ward 1
E. Haverhill	E. Pleasant	Ferry	8	3	29	775.4	Ward 1
Ferry	Wayne	E. Haverhill	8	5	49	1533.2	Ward 1
Leslie	Ferry	Woodland	8	1	5	491.3	Ward 1
Woodland	E. Haverhill	Southerly	8	5	26	915.9	Ward 1
Water	Near Am s	Nesmith	10	3	1	515.2	1530.21
Nesmith	Water	Dewey	10	0	13	462.3	1048.60
Brookfield	Dracut	Chester	10	0	5	250.0	464.48
Shawsheen Road	Farnham	Northerly	10	1	1	168.5	194.93
Essex	Margin	Easterly	18	0	0	181.5	605.11
Chester	So. Broadway	Easterly	10	1	5	204.0	253.60
Platt	Woodland	Westerly	8	2	6	368.1	Ward 1
Ferry	E. Haverhill	Northerly	8	1	6	415.3	Ward 1
Katherine	Ferry	Woodland	8	2	14	693.7	Ward 1
Allston	Woodland	Howard	8	1	10	358.0	Ward 1
Water St. Alley	Melrose	Mason	15	7	41	1013.0	2960.49
Chester	Clifton	Brookfield	12	10	15	519.0	1264.43
Dale	Allston	Woodland Ct.	10	1	8	281.5	Ward 1
Woodland Ct.	Dale	Westerly	8	1	7	234.8	Ward 1
Garden	Allen	Middle	12	1	0	165.5	418.62
Middle	Garden	Summer	12	3	14	432.0	2572.15
Margin		Cor. Lowell St.	35	4	0	1368.0	41,186.85
Tyler	Newton	Easterly	10	1	14	474.4	716.82
Durham	Near Newton	Easterly	10	1	4	124.3	240.84
Front	So. Broadway	Westerly	10	1	6	369.0	367.00
Berkeley and Swan		Methuen Line	10	4	19	801.6	1958.53
Allston	High	Easterly	10	1	4	143.3	468.82
Marion ave.	Cantillon	Lawrence	10	1	4	230.2	447.46
Columbus ave.	Haverhill	Southerly	10	1	0	275.0	277.46
Water St. Alley							

Ward 1. Sewers.....\$11,024.95

STREET DEPARTMENT BUILDINGS.

The attention of the city government has been repeatedly drawn, by several of my predecessors, to the poor condition of the many buildings within the stable yard, of which but slight notice was taken. This lack of interest has subjected the department to much uncalled for criticism from many quarters and from persons not familiar with the state of affairs.

If the stable proper was enlarged so as to supply sufficient room for the stabling of 18 or 20 more horses this would obviate the necessity of hiring outside teams, this the department is quite often obliged to do or fall behind in its work.

This enlargement with its attendant cost of equipment could be saved in a short time in team hire.

The yard buildings are not only thoroughly dilapidated, but are actually dangerous to life. Their patched up and ragged appearance is a disgrace to the city.

There should be provision made, as early as possible, for the erection of one or more substantial brick buildings to contain a blacksmith's shop, paint shop and carpenter's shop. Properly built and closed buildings are also badly needed for the housing of

the costly machinery used by the department and now exposed to the elements.

We are in need of a hose tower in the yard for the purpose of drying out hose after the flushing of sewers. There is no means of taking the proper care of hose without going to some fire engine house.

The sand used for sanding the sidewalks is piled up outdoors during the winter months where it freezes solid; this sand ought to be under cover in such a manner as to be of easy access when needed.

I would, therefore, respectfully urge upon the city government to seriously consider those much needed improvements, to carefully inspect conditions at the city yard and in their judgment order such changes as they think best. I would also recommend that the city purchase, at the earliest date possible, an auto truck for the Street Department, to be used principally on long hauls; such a truck could easily perform the work of two double teams.

THE WARD FIVE SEWER.

This is probably the most important work undertaken by the committee on sewers this year. Besides being pushed vigorously to completion, it has also given employment to a large number of men who were idle through no fault of their own, but

from many causes that do not reach a state of public notice. Several of the large corporations and mills were working on short time or running with greatly reduced help. This body of unskilled outdoor labor may have added slightly to the cost of construction but the committee and the Superintendent considered it money well spent.

There is about fifty per cent. of the sewer built to date with almost enough brick and other necessary material on hand and paid for, so I can safely say that the work will be finished in reasonable time and within the appropriations ordered for its construction.

SNOW REMOVAL.

The removal of snow, after snow storms, is a pretty stiff problem, and one only to be guessed at for the coming winter.

The severe snow storms of December, 1909, followed immediately by those of January and February of 1910, cut the street department appropriations almost in two before the streets were properly cleared for traffic.

There should be some provision made by the city government to meet this heavy expense besides charging it to the Street Department.

REPAIRS AT CITY STABLES.

New flooring the entire length. New stalls, overhauling the stable drainage and putting in new closets for the use of the stable employees, a sanitary addition very badly needed.

With the rapid increase in the city's population during the past ten years, the large number of added streets demanding care and improvements, I believe the city government to be justified in considering a larger annual appropriation to the Street Department, in line with this suggestion for increase I also place the salary of the Superintendent of Streets. In this respect Lawrence has the poorest paid official of any city in the state anywhere approaching its size.

I take this opportunity to express my sincere appreciation for the encouragement received, throughout the year, from the city officials, his honor, the Mayor, and the members of the various committees for their kindly consideration. I also desire to give deserved praise to the employees of this department for the prompt and faithful performance of the work assigned them. In a large measure to them belongs the success of the year.

Respectfully submitted,

P. LYONS,

Supt. of Streets.

THIRTY-THIRD ANNUAL REPORT
OF THE
BOARD OF HEALTH
OF THE
CITY OF LAWRENCE, MASSACHUSETTS.

FOR THE YEAR ENDING DECEMBER 31, 1910.



LAWRENCE, MASS.
AMERICAN-SUN PRINT,
1910.

IN BOARD OF ALDERMEN,

April 10, 1911.

Accepted without reading.

EDWARD J. WADE, *City Clerk.*

IN COMMON COUNCIL,

April 17, 1911.

Accepted in Concurrence.

RICHARD J. SHEA, *Clerk.*

Board of Health

1 9 1 0

CHARLES H. BOSSLER, CHAIRMAN.

PETER L. McKALLAGAT, M. D.

RALPH A. BRACKETT,

(Entire Board Removed April 11, 1910.)

(From June 22 to End of Year.)

WILLIAM J. SULLIVAN, M. D., CHAIRMAN.

WILLIAM A. MEAGAN.

(Vacancy.)

Officials of the Health Department

OFFICIALS OF THE HEALTH DEPARTMENT.

ROSCOE DOBLE, CLERK.

GEORGE W. SMITH, AGENT.

OSWALD J. CULLINGTON, PLUMBING INSPECTOR.

THOMAS GREENE, ASSISTANT AGENT. (Died Sepa. 24, 1910.)

JACOB VATTER, SANITARY INSPECTOR AND ASSISTANT
PLUMBING INSPECTOR.

HARRY H. NEVERS, M. D., BACTERIOLOGIST AND PHYSICIAN
TO THE BOARD.

THOMAS H. COLLINS, M. D., INSPECTOR OF MILK AND MEAT
TO MARCH 28, 1910. MILK INSPECTOR BALANCE OF YEAR.

JOSEPH CHAMBERS, INSPECTOR OF MEATS AND PROVISIONS.

(April 11, to June 22, 1910.)

HENRY LANNAN, JR., INSPECTOR OF MEATS AND PROVISIONS.

(June 22 to End of Year.)

School Physicians

FRANK A. CONLON, M. D., SPECIALIST.

JOHN H. BANNON, M. D., FIRST DISTRICT.

CARL R. MOECKEL, M. D., SECOND DISTRICT.

WATKINS R. O'CONNOR, M. D., THIRD DISTRICT.

MYER SCHWARTZ, M. D., FOURTH DISTRICT.

City Officers

HON. WILLIAM P. WHITE, MAYOR. (To July , 1910.)

ALDERMAN THOMAS M. JORDAN, ACTING MAYOR, July, to
Aug. 29, 1910.)

HON. JOHN T. CAHILL, MAYOR to end of Year.)

THOMAS M. JORDAN, PRESIDENT BOARD OF ALDERMEN.

EUGENE A. McCARTHY, JR., PRESIDENT OF COMMON COUNCIL

CORNELIUS J. CORCORAN, CITY CLERK, (Jan. 1, 1910 to
Sept. 19, 1910.)

EDWARD J. WADE, CITY CLERK, (Sept. 19, 1910 to end of
year.)

RICHARD J. SHEA, CITY AUDITOR AND CLERK OF COMMON
COUNCIL.

WILLIAM A. KELLEHER, CITY TREASURER.

DANIEL J. MURPHY, ESQ., CITY SOLICITOR.

Board of Health Report

TO HIS HONOR, THE MAYOR, AND GENTLEMEN OF THE CITY
COUNCIL.

The Board of Health herewith submits its annual report for the year ending December 31, 1910.

On Monday, Feb. 7, 1910, the board organized by the choice of Charles H. Bossler as Chairman, the other members being Dr. Peter L. McKallagat and Ralph A. Brackett. This organization continued until April 11, 1910 when the entire Board was removed by the mayor. Dr. H. H. Nevers, the Bacteriologist and Physician to the Board was then appointed by the mayor and the powers and duties of the Board of Health were delegated to him until such time as a board should be appointed and confirmed. The department remained under the supervision and guidance of Dr. Nevers until June 22, 1910, during which time the business of the Health Department moved smoothly, quietly and successfully on. Dr. William J. Sullivan and Mr. William A. Meagan having been appointed and confirmed as members of the Board of Health, met at the office on the 22d day of June and organized by the choice of Dr. Sullivan as Chairman. No third member having been appointed and confirmed, the Board as thus organized continued in control to the end of the year.

After organizing on the seventh day of February, the Board proceeded to take an inventory of the department property as follows:

	1910	1909
38 Horses, valued at (in 1909, 33 horses) ..\$	5,864.00	\$ 4,767.00
Harnesses and Horse Furnishings,	804.42	719.55
Furniture and Supplies in Office at Stable, ..	77.36	59.00
Wagons, Sleds and Carriages,	4,808.65	4,676.75
Hay-Loft Furniture,	57.50	56.00
Hay, Grain and Straw,	91.95	91.95
Stock and Tools in Workshop,	273.77	386.96
Miscellaneous Supplies and Stock,	557.89	495.29
Furniture, Books, Blank Forms and Sup- plies in Oak Street Office,	741.79	662.99
Furniture, Instruments and Supplies in Laboratory,	666.74	.....
Furniture, Beds, Bedding, Supplies and Im- plements at Isolation Hospital,	642.15	642.15
Total Valuation of Health Department Property,	\$14,586.22	\$12,557.64

FINANCIAL STATEMENT.

	1910	1909
Appropriation,	\$48,500.00	\$45,000.00
Receipts,	2,999.92	1,821.89
Overdraft,	29,560.83	28,557.47
Total amount received and expended, ..\$	81,060.75	\$75,379.36

RECEIPTS AND EXPENDITURES IN DETAIL.

RECEIPTS.

	1910	1909
Appropriation,	\$48,500.00	\$45,000.00
For Removing Night-Soil,	285.74	151.75
For Licenses,	445.00	526.75
For Sale of Swill,	1,099.98	333.32
For Sale of Manure,	304.00	—
For Sale of Waste Paper,	505.00	117.00
For Sale of Waste Paper (Balance from last year)	39.00	—
For Sale of Fumigators,	20.00	4.75
For Care of Persons ill with Contagious Diseases,	301.20	619.95
For Old Material Sold,	—	35.62
For Sale of Night-Soil,	—	26.75
For Cleaning Premises,	—	6.00
Overdraft,	29,560.83	28,557.47
Total Receipts,	\$81,060.75	\$75,379.36

EXPENDITURES.

	1910	1909
Pay-Roll,	\$46,929.75	\$45,463.00
Salaries,	11,499.19	10,107.50
Hay,	3,957.14	3,069.25
Grain,	3,315.92	3,647.84
Straw,	179.68	279.09
Shoeing,	825.22	873.52
Repairs,	868.28	1,058.94

Repairs of Buildings,	575.19	—
Supplies Bought,	617.21	1,065.34
Horses Bought,	1,050.00	2,115.00
Carriages Bought,	410.00	135.00
Harnesses Bought,	115.00	105.00
Horsehire,	770.75	295.00
Printing,	465.08	535.30
Veterinary and Medicine,	129.38	386.78
Care of Persons ill with Contagious Dis-		
eases,	5,625.61	1,276.72
Contagious Diseases in other Cities and		
Towns,	1,944.94	1,654.69
Lighting,	229.58	276.20
Fuel,	174.19	178.58
Ice,	34.35	40.35
Spring Water,	12.27	9.24
Towel Supply,	39.00	26.00
Cleaning Office Rooms,	55.25	56.00
Telephone Service,	144.82	153.95
Postage,	63.65	52.00
Express and Freight,	14.50	40.69
Rent,	—	12.00
Insurance,	14.54	81.29
Travelling Expenses,	56.40	157.95
Investigating Spicket River Nuisance,	—	374.85
Filling Stone Crusher Dump,	—	701.90
Bacteriological Laboratory,	90.92	541.58
Miscellaneous,	244.02	110.45
Isolation Hospital,	608.92	498.35
<hr/>		
Total Expenditures,	\$81,060.75	\$75,379.36

ISOLATION HOSPITAL.

	1910.	1909
Physicians' Fees,	—	\$ 140.00
Nursing and Attendance,	221.44	131.42
Board of Patients and Attendance,	—	31.44
Food Supplies,	97.10	—
Ice,	—	5.30
Medicines,	—	8.35
Lighting,	37.95	24.09
Fuel,	120.98	57.35
Rent,	84.00	84.00
Repairs,	33.52	16.40
Clothing,	12.00	—
Sundries,	1.93	—
	<hr/>	<hr/>
Total,	\$608.92	\$498.35

FINANCIAL STANDING OF THE DEPARTMENT.

Balances Due Dept. Jan. 1, 1910,	\$1,788.60
Earnings During Year	4,240.55
	<hr/>
Total	\$6,029.55
Collections During Year	\$2,999.92
Abatements	531.00
Blances Due Dec. 31, 1910	2,498.23
	<hr/>
Total	\$6,029.15

FINANCIAL STANDING IN DETAIL.

DUE DEPARTMENT JAN. 1, 1910.

For Removng Night-Soil	\$ 842.38
For Sale of Night-Soil	16.79
For Sale of Waste Paper,	39.00
For Sale of Manure	152.00
For Sale of Swill	666.68
For Care of Persons ill with Contagious Diseases	25.00
For Cleaning Premises	46.75
Total Due Jan. 1, 1910	<u>\$1,788.60</u>

EARNINGS

For Removing Night-Soil,	\$ 842.38
For Licenses	445.00
For Sale of Swill	2,500.00
For Sale of Waste Paper	505.00
For Sale of Fumigators	21.50
For Sale of Manure	152.00
For Care of Persons ill with Contagious Diseases	349.05
Total Earnings in 1910	<u>4,240.55</u>
	<u>\$6,029.15</u>

COLLECTIONS IN 1910

For Removing Night-Soil	\$ 285.74
For Licenses	445.00
For Sale of Swill	1,099.98
For Sale of Manure	304.00

For Sale of Waste Paper	544.00
For Sale of Fumigators	20.00
For Care of Persons ill with Contagious Diseases	301.20
Total Collections in 1910,	2,999.92
Abatements for Removing Night-Soil, ..	531.00

BALANCES DUE DEPARTMENT

For Removing Night-Soil	295.14
For Sale of Night-Soil	16.79
For Sale of Swill	2,066.70
For Cleaning Premises	46.75
For Care of Persons ill with Contagious Diseases	72.85
Total Due Dept. Dec. 31, 1910,	2,498.23
	\$6,029.15

L WORK DONE BY THE DEPARTMENT.

L

WASTE MATTER REMOVED BY DEPARTMENT.

	1910	1909
Loads of Ashes and Refuse Matter	38,471	38,104
Loads of Swill	3,349	3,216
Loads of Waste Paper	1,896	1,810
Loads of Fish Offal (161c bbls.)	201	201

Mattresses, 2133 Equal to Loads	106	87
Dead Animals, 249, reduced to Loads, ..		
Equals	5	6
Loads of Night-Soil	85	29
<hr/>		
Total Loads, Exclusive of Cesspool Matter	44,113	43,453
Loads of Cesspool Matter	2,347	2,882
<hr/>		
Grand Total	46,460	46,335

CONTAGIOUS DISEASES.

The contagious disease conditions in 1909 in this city were considered at the time as quite satisfactory and favorable for a city of our population. But in 1910 a still better showing is made. Had the same number of cases and deaths prevailed as in the preceeding year it would have indicated a substantial decrease per capita. Instead of remaining the same, or even increasing in lue proportion to the increase in population the actual number shows a decrease of 100 in reported cases and 26 in total number of deaths. Diphtheria alone shows a slight increase in the mortality of persons reported sick. In this disease three more deaths occurred than in the previous year although the total number sick was 39 less. Deaths from tuberculosis, (all forms) has been 122, while in the preceding year they numbered 154.

The Board still experiences considerable difficulty in prevailing on the physicians to report the diseases lately placed in the list of reportable diseases by the State Board of Health, especially tuberculosis, whooping cough and chicken-pox. It not infrequently happens that the first notice received by the board

of the existence of tuberculosis or whooping cough is contained in a death certificate.

There were two mild cases of small-pox during the year, one in February and one in March. Both were treated at the Isolation Hospital and both recovered.

Typhoid fever is almost wholly unknown in the city among the older residents and all English speaking people who know and understand the danger of drinking water from the river or canal. The origin of most of the cases is readily and easily traced to the beaches and summer resorts or to the use of un-filtered water.

The epidemic of measles which prevailed in 1909 continued and increased until March when it reached the highest point, there being 200 cases in that month. It then decreased rapidly until September when none were reported.

In whooping cough we have the anomaly of having 16 deaths and only seven cases reported. In the following table will be found a list of all the reportable contagious diseases and the deaths resulting therefrom.

CONTAGIOUS DISEASES IN 1910.

TOTAL REPORTED.

MONTH.	Diphtheria.	Scarlet Fever.	Measles.	Typhoid Fever.	Tuberculosis.	Whooping Cough.	Chicken-Pox.	Cerebro-Spinal Meningitis.	Anterior Poliomylitis.	Small-Pox.	Ophthalmia Neonatorum.	Trachoma.	Tetanus.	Total.
January	17	12	39	4	12	1	5				1			91
February ...	12	22	101	11	9	2	2			1				160
March	10	16	200	22	8		1			1				258
April	13		175	3	9	1	2							203
May	16	17	45	2	10		6							96
June	7	11	25	3	9		6	1						62
July	4	10	10	4	14		2				2			46
August	8	12	2	5	2				1			1		31
September ..	12	12		5	4		1		2					36
October	15	14		4	6		2		1					42
November ..	8	14	3	7	23	1	15		1					72
December ..	10	16	11	7	15	3	7		2					61
Total,	132	146	611	77	121	7	49	1	7	2	3	1		1157

DEATHS.

MONTH.	Diphtheria.	Scarlet Fever.	Measles.	Typhoid Fever.	Tuberculosis.	Whooping Cough.	Chicken-Pox.	Cerebro-Spinal Meningitis.	Anterior Poliomylitis.	Small-Pox.	Ophthalmia Neonatorum.	Trachoma.	Tetanus.	Total.
January	3	2	2		12									18
February ..	3		4	1	10	2								29
March	4	2	3	6	12	1								19
April	4		3	2	9	2								15
May	3		3		7									
June	1	1	1		14	6		1						15
July				1	7	1								17
August	1			1	14	1								11
September ..	1	1			12	1								16
October ...	3			2	5	1								15
November ...	4	1			10	2								17
December ..	3		1	1	10	16		1						228
Total	31	7	17	14	122	***	0	100	0	0	0	0	0	18.06
Per Cent ...	23.48	4.8	2.78	18.18	101.65									
In 1909						11*	50*	3	*	2	*	2	*	4 1257
Cases	171	105	699	84	126*	3	0	1	*	0	*	1	*	4 235
Deaths	28	6	20	18	154	*	0	33 1/3	0	0	*	5	0	1 18.7
Per Cent ...	16.37	5.71	2.86	21.43	*									

*Not fully reported.

SCHOOL PHYSICIANS.

The work of the School Physicians has been carried on in about the same lines as in former years. There is no doubt that many children are saved from permanent disability and perhaps from an early grave by the timely discovery of disease and defect by the school physician which would otherwise pass unnoticed until too late for successful treatment. In all cases detected by the physicians, where professional treatment is needed, the parent or guardian of the child is notified and advised to procure competent medical attention. A report of the work done by the School Physicians follows:—

WORK OF SCHOOL PHYSICIANS.

The following tables are digested from the individual reports of the several School Physicians and are approximately correct. A small number, perhaps one third of cases reported were excluded from the schools temporarily, seldom for more than a week or ten days. In all cases where treatment was found necessary the parents were notified.

Defective vision	704	Unvaccinated	402
Defective hearing	140	Eczema	172
Adenoids	360	Psoriasis	20
Tonsils	132	Pink eye	12
Scabies	32	Stye	20
Pediculosis	388	Pertussis	8
Catarrhal conjunctivitis	112	Trichophytosis	12
Impetigo contagiosa	36	Influenza	1
Hordeolum	6		

CASES REPORTED TO DR. CONLON, SPECIALIST, AND BY HIM EXAMINED.

Defective vision	419	Adenoids	93
Scars on cornea	19	Enlarged tonsils	96
Congenital cataract	5	Acute tonsillitis	2
Ptosis	2	Pharyngitis	30
Blepharitis	14	Papilloma of uvula	1
Hordeolum	2	Laryngitis	3
Foreign body on cornea	1	Rhinitis	14
Acute conjunctivitis	7	Deviated septum	8
Chronic conjunctivitis	23	Nasal spurs	5
Abrasion of conjunctiva	1	Nystagmus	4
Chronic abscess in ear	57	Eczema	10
Coloboma of iris	1	Cleft palate	1
Tumor of jaw	1		

Number of children vaccinated 600
Vaccination cards given 1228

GARBAGE AND WASTE MATTER.

As all efforts for the construction of an incinerator for the destruction of waste matter in the past has come to naught and as it became apparent that something must be done to at least relieve the situation, all the available dumps in the near vicinity having been filled, the board, with the advice and consent of the city government has contracted for an auto-truck for the removal of refuse to distant points outside the city limits. It is also planned to have a dumping platform constructed on land owned by the city where the teams can be driven up a gentle incline and can be dumped directly into the auto-truck underneath which can thus be very quickly filled and then driven to such dumping ground as may be available at a distance from the city which would be entirely impracticable for travelling with horse teams. The consent of the city council has been obtained for the use of a plot of the city's land for this purpose. When these plans are put into operation the board confidentially expects results which will fully justify the outlay, and which, if they do not completely solve the difficult refuse problem, will at least be recognized as a step in the direction of more satisfactory service.

The waste paper collected from stores and shops is sold under contract for five hundred and five dollars per year and is delivered to the contractor, Mr. Nathaniel E. Rankin, at a shed near the Board of Health stables. Under this contract Mr. Rankin takes all paper, rags, strings, burlaps, excelsior and store waste just as it is collected, and all dirt and valueless waste is taken care of by the contractor at his own expense, he being allowed the privilege of depositing the same on any of the dumps used by the department. The contract for waste paper expires Jan. 1, 1913.

The swill collected by the department is also sold under contract to Benjamin Nice of Methuen, the contract price being \$2000.00 per year. On this contract the payments have not been as satisfactory as desired and unless payments are more promptly made the contract will be declared broken and the swill disposed of to other parties. This contract was for five years and has three years from April, 1911 to run.

THE SPICKET RIVER.

The Spicket River Nuisance" which has annually made its appearance to annoy and menace the health of the people living along its banks, and even persons living a considerable distance away from the river, has been so far abated that during the last summer the complaints from this source have been much less than for many years. This very desirable result has been obtained by the construction of sewers by the city into which all drains discharged into the Spicket could be connected and by orders of this department all such drains have been diverted from the river and the sewage which has contributed so largely to the creation of the "nuisance" has been turned into the main sewers. Besides this very important measure the dam formerly owned by Rutter Brothers has been purchased by the city and the pond of stagnant and putrid water there held has been drained off and the pond filled to an extent that removed that source of filth and danger to health. The banks of the river also have been scraped and cleaned. Another great source of pollution has been removed by the liquors from dyeing and wool scouring at the Arlington Mills being turned into the Lake street sewer. With these and other lesser improvements the Board expects another season will witness the entire elimination of the "Spicket River Nuisance."

LABORATORY AND INSPECTION WORK.

The reports of the Bacteriologist and the several inspectors, to the Board of Health, will be found to contain full accounts of work done in these departments. These reports are appended. The report of deaths by months, by sex and age, and a complete table of deaths by cause is also appended.

In conclusion we would again call attention to the scant notice accorded reports of departments by successive city governments. The opinion of this board is that much good might result from a rigid perusal of these reports by members of the city council and city officers and an inquiry into, and investigation of the recommendations of the board. And the Board will welcome any fair criticism of its work or that of its subordinates.

All of which is respectfully submitted.

WM. J. SULLIVAN, M. D., Chairman.

W. A. MEEAGAN.

Board of Health.

Report of the Plumbing Inspector

TO THE CHAIRMAN AND MEMBERS OF THE BOARD OF HEALTH:

GENTLEMEN:—

I have the honor to submit to you the following report of the work of the Plumbing Inspection division of the Department for the year ending December 31, 1910.

BUILDING PLANS APPROVED.

During the year 314 plans were submitted to me for approval and filing, classified as below.

Residence or Cottage	23
Two-tenement Houses	64
Three-tenement Houses	106
Four-tenement Houses	3
Six-tenement Houses	13
Eight-tenement Houses	3
Twelve-tenement Houses	1
Store and Apartment Buildings	34
Store and Office Buildings	7
Mill Buildings, workshops, etc.	9
School Buildings	3
Churches	2
Theatres	4
Fire Stations	1
Club Houses, Lodge Halls, etc.	3
Garages	3

Stables	7
Private Institutions	1
Number of Plans Filed for remodeling entire buildings	26

The plans for buildings show a total of 753 tenements, which exceeds the number for any past year excepting the year 1909.

A total of 58 tenements was added to existing buildings during the year, making a grand total of 811 tenements, a fact which in itself demonstrates the continued growth of our city, and in consequence, an increase in the work of the Department as a whole.

APPLICATIONS APPROVED AND PERMITS ISSUED.

For plumbing work in new buildings	297
In existing buildings	304
<hr/>	
Total	601
For construction of house drains for new buildings	184
For existing buildings	125
<hr/>	
Total	309

The work covered by these permits resulted in improving sanitary conditions in and around existing buildings as below :

Number of privy vaults abolished	41
Number of cesspools abolished	37
Water closets replacing privy vaults installed	69
Additional water closets in existing buildings	90

INSPECTIONS

For Water test	528
For final acceptance	657

Miscellaneous inspections	32
For advice on plumbing work	116
House drains inspected	408
Complaints investigated	25

NOTICES SENT OUT.

To plumbers to remedy defective work	47
To owners and others to comply with regulations	8

The notices referred to above are those only of which a duplicate is kept on file, no record being kept of verbal or telephonic orders to make necessary changes in method of installation or to remedy defective work.

In accordance with Regulation 6, I have examined six applicants for drain-layers licenses and have certified as below :

As competent to receive Master Drain-Layers license ... 4

As comeptent to receive Journeyman Drain-Layers license 2

Respectfully submitted,

OSWALD J. CULLINGTON,

Plumbing Inspector.

Report of the Sanitary Inspector

TO THE CHAIRMAN AND MEMBERS OF THE BOARD OF HEALTH:

GENTLEMEN:-

I herewith submit my report of work done as Sanitary Inspector and Assistant Plumbing Inspector for the year 1910, from Jan. 1 to Dec. 31 inclusive.

Whole number of inspections	2855
Tenements	2004
Stores	71
Boarding and lodging houses	29
Public places	46
Restaurants	19
Bakeries	141
Barber shops	72
Markets	21
Stables	249
Workshops	16
Laundries	8
Ice cream establishments	23
Manufacturing establishments	7
Privy vaults	22
Cesspools	13
Yards	48
Drain inspections	66
Total	2855
Plumbing work tested by water test	58
Complaints received and investigated	154

WRITTEN NOTICES SENT OUT.

To clean bake-shops	10
To clean water-closets	11
To clean cellars	6
To clean cesspools	2
To clean yards	
To provide new floor for bake-shop	1
To provide receptacle for swill	1
To provide water closets	4
To provide kitchen sink	2
To provide light and ventilation for bake-shop	1
To provide door for water closet	2
To provide proper receptacles for manure	1
To provide water for plumbing fixtures	5
To trap to kitchen sink	2
To repair ash chute	3
To repair defective plumbing	2
To repair congested sink	1
To repair water pipe	1
To repair defective traps	4
To repair woodwork around sink	2
To abolish vaults	22
To abolish cesspool	2
To abolish ash chutes	2
To remove manure	7
To remove horses from unlicensed stables	16
To remove bed from bake-shop	1
To remove hens	3
To remove pigeons	1
To remove pigs	7
To remove excess number of horses from stable	4
To remove akron pipe from drainage system	1
To comply with stable regulations	6

To put stable in sanitary condition	7
To connect drainage of building with public sewer	10
To cease throwing garbage in alley	1
To cease leading cow on sidewalk	1
To cease using bake-shop	2
To drain cellar	1
Stable requirements sent out to applicants	17
Permission to use bake-shop temporarily	1 176

NUISANCES DECLARED BY BOARD.

Whole number	37
Unsanitary stables	2
Unsanitary bake-shop	1
Vaults	3
Cesspool	1
Sewage discharged into Spicket river	2
Stables—Nuisance ordered abated	4
Tenements—Nuisances ordered abated	3
Yards—Nuisance ordered abated	19
Stables ordered vacated	2 37

STABLES.

Whole number of applications for license	62
For new stables	22
For permit to occupy old stables	16
For additional horses in existing stables	11
For temporary use	3
To move stable building	6
Applications filed and withdrawn	4
Total	62

STABLE LICENSES GRANTED.

For new stables	15
To occupy old stables	10
For additional horses in existing stables	8

To move stable building	6	
For temporary use	3	
Total		42

STABLE LICENSES REFUSED.

For old stables	4	
For new stables	5	
For additional horses	1	10
Applications filed and withdrawn		4

APPLICATIONS PENDING

For new stables	2	
For old stables	2	
For additional horses	2	6
Total		62
Stable notices posted		35
Number of horses in new stables for which licenses were granted	37	
Additional horses in old stables	30	
Number of horses in temporary stables	4	
Number of horses in old stables in which licenses were granted new owners	80	
Total		151

Respectfully submitted,

JACOB VATTER,

Sanitary Inspector and Assistant Plumbing Inspector.

REPORT OF BACTERIOLOGIST AND PHYSICIAN TO BOARD.

TO THE BOARD OF HEALTH.

GENTLEMEN:—

The following is a report of the work done in the laboratory for the year 1910.

TABLE NO. I.

Showing Total Number of Examinations.

	Examinations for Diphtheria.	Examinations for Tuberculosis.	Examinations for Typhoid Fever.	Examinations for Other Diseases.	Examinations of Milk.	Examinations of Ice Cream.	Examinations of Petri Plates.	Total.
January	24	46	5	2	10	0	0	87
February	37	20	9	7	0	0	0	78
March	11	43	21	3	0	0	0	78
April	13	29	6	4	27	0	0	79
May	16	35	4	2	51	18	0	126
June	13	22	9	3	40	8	10	105
July	8	18	5	4	87	0	10	132
August	8	23	6	10	62	4	10	123
September	17	23	9	6	39	0	0	94
October	9	28	18	5	18	0	0	68
November	9	44	15	7	10	0	0	85
December	36	24	4	8	4	0	0	70
Total,	201	355	111	61	338	30	30	1126

*Includes pneumonia, gonorrhea, septicemia, anthrax, cerebrospinal meningitis, etc.

TABLE NO. 2

Showing Results of Examinations
for Diphtheria.For
Diagnosis.For
Release.

	Positive.	Negative.	Positive.	Negative.	Total.
January	4	11	1	8	24
February	16	7	2	12	37
March	4	5	0	2	11
April	5	4	0	4	13
May	0	8	0	2	10
June	3	6	0	4	13
July	1	6	0	1	8
August	00	7	0	1	8
September	1	13	0	3	17
October	0	8	0	1	9
November	0	7	0	2	9
December	16	10	2	8	36
Total,	50	92	5	48	195

TABLE NO. 3

Showing Results of Examinations for
Tuberculosis and Typhoid Fever.

Tuberculosis.

Typhoid Fever.

	Positive.	Negative.	Total.	Positive.	Negative.	Atypical.	Total.
January	11	29	40	1	4	0	5
February	3	17	20	5	4	0	9
March	14	29	43	13	8	0	21
April	6	23	29	3	3	0	6
May	12	23	35	3	1	0	4
June	8	14	22	4	5	0	9
July	7	11	18	1	4	0	5
August	4	19	23	2	4	1	7
September	5	18	23	4	5	0	9
October	9	19	28	7	11	0	18
November	7	37	44	6	9	1	16
December	6	18	24	5	4	0	9
Total,	92	257	349	54	62	2	118

REPORT OF THE BACTERIOLOGIST AND PHYSICIAN

BACTERIOLOGICAL EXAMINATION OF MILK, SAMPLES TAKEN FROM WAGONS AND STORES.

Bacteria per Cubic Centimetre, 24 hours at 37 C	Number of Samples Examined	Total Samples	Per Cent of
Below 20,000	23		6.8
Between 20,000 and 100,000	46		13.9
Between 100,000 and 500,000	105		30.8
<hr/>			
Total Samples under 500,000	174	174	51.5
Between 500,000 and 1,000,000	93		27.6
Over 1,000,000	71		20.9
<hr/>			
Total Samples over 1,000,000	164	164	48.5
<hr/>			
Totals		338	100.0

As Physician to the Board the following visits were made:

Investigating suspected cases of small-pox	15
Persons vaccinated after exposure to small-pox ..	51
Small-pox patients (visits to)	32
Diphtheria patients	41
Scarlet fever patients	67
Tuberculosis	74
Measles	37
Typhoid fever	10
Trachoma	4
To view bodies of persons dying without medical attendance	14
Total number of visits	351

Respectfully submitted,

HARRY H. NEVERS, M. D.,

Bacteriologist and Physician to the Board

INSPECTION OF MILK AND MEAT.*

*Note. On March 14, 1910, the offices of "Milk Inspector" and "Inspector of Meats and Provisions" were, by vote of the Board, separated. Joseph S. Chambers was appointed April 7, 1910, as Inspector of Meats and Provisions pending the establishment of an "eligible list" by the Civil Service Commission. An eligible list having been established, on June 22, 1910, Henry Lannan, Jr., was appointed Inspector of Meats and Provisions under Civil Service rules. The reports of the inspectors follow:

INSPECTION OF MILK, MEATS AND PROVISIONS.

TO THE BOARD OF HEALTH, LAWRENCE, MASS.:

GENTLEMEN:—

I submit to you the following report of inspections made by me during my incumbency of the office of Inspector of Meats and Provisions:

Total number of carcasses condemned as unfit for	
food	4
Total number of carcasses inspected	255
Total number of stores inspected	276

I would recommend that an ordinance be passed restricting New Hampshire butchers from shipping beef and pork into the city unless the lungs and liver are attached so that they may be inspected by the inspector of meats.

As conditions are now there is nothing to hinder them from killing diseased animals and putting their

own stamp on the meat and sending it into our markets.

I would recommend that an ordinance similar to the Haverhill ordinance be adopted.

Respectfully submitted,

JOSEPH S. CHAMBERS,

Inspector of Meats and Provisions.

TO THE CHAIRMAN AND MEMBERS OF THE BOARD OF HEALTH;
GENTLEMEN:—

I herewith render a report of the work of the inspection of milk for the year ending Dec. 31, 1910. The detail of work performed will be found under proper headings.

MILK.

Number of licenses issued to wagons	73
Number of licenses issued to stores	103
Number of samples of milk collected and tested	481
Number of farms inspected	206
Number of farms, second inspection	44
Number of farms where sanitary conditions were bad	39

Number of quarts of milk delivered in one day
 in the city 37,200
 The average standing of total solids ... 12.44 per cent.

INSPECTION OF MEAT.

The amount of work performed from Jan. 1, 1910 to April 7, 1910 when the offices of Inspector of Milk and Inspector of Meat were divided.

The following number of cattle and other animals were slaughtered during the time covered by the report.

	Cattle.	Hogs.	Calves.	Sheep.
In the month of January	48	280	137	36
In the month of February	51	215	161	0
In the month of March	46	110	90	2
Total	145	605	388	38
Total number condemned for various diseases	4	2	0	8

Respectfully submitted,
 THOMAS H. COLLINS, M. D.

Inspector.

TO THE CHAIRMAN AND MEMBERS OF THE BOARD OF HEALTH:

GENTLEMEN:—

The following is a report of work done by me as

Inspector of Meats and Provisions from July 1, 1910
to Dec. 31, 1910. -

Number of carcasses inspected	698
Number of stores inspected	148
Number of carcasses condemned	13
Number of complaints investigated	2

Very respectfully,

HENRY LANNAN JR.,

Inspector of Meats and Provisions.

DEATH STATISTICS.

1910.

Populaton, U. S. Census of 1910, 85,892. Total number of deaths in 1910, exclusive of still-births, 1524. Death Rate per 100 inhabitaants per annum, 17.74.

DEATHS BY MONTHS.

	Not Including Still-Births			Still-Births		
	Total.	Male.	Female.	Total.	Male.	Female.
January	150	87	63	15	11	4
February	119	65	54	10	9	1
March	143	73	70	9	7	2
April	135	64	71	9	6	3
May	105	51	54	14	10	4
June	105	52	53	16	12	4
July	159	79	80	12	8	4
August	154	77	77	10	7	3
September	132	63	69	8	5	3
October	104	50	54	7	2	5
November	100	50	50	10	7	3
December	118	62	56	13	9	4
Total	1524	773	751	133	93	40

DEATHS BY AGES AND SEXES.

	Total.	Males.	Females.
Persons under 1 year of age	527	285	242
From 1 to 2 years	106	55	51
From 2 to 3 years	45	27	18
From 3 to 4 years	16	12	4
From 4 to 5 years	17	5	12
From 5 to 10 years	28	14	14
From 10 to 15 years	8	2	6
From 15 to 20 years	24	13	11
From 20 to 30 years	87	42	45
From 30 to 40 years	105	61	44
From 40 to 50 years	107	50	57
From 50 to 60 years	125	66	59
From 60 to 70 years	153	67	86
From 70 to 80 years	124	52	72
From 80 to 90 years	46	19	27
From 90 to 100 years	5	2	3
Over 100 years	1	1	0
Ages unknown	1	1	0
Total	1524	773	751

RECORD OF DEATHS IN LAWRENCE DURING THE YEAR 1910.

CAUSE OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Abortion followed by peri- tonitis												I	I
abscess of abdomen, and hernia				I									I
Abscess of appendix and liver		I											I
Abscess on shin bone and sepsis					I								I
DEATHS CAUSED BY ACCIDENT.													
Accident of birth			I	I						I	I		4
Asphyxiation by illuminat- ing gas		I								I			2
Asphyxiation due to food regurgitating into lungs						I							I
Burns												I	I
Concussion of brain by fall from staging										I			I
Concussion and contusion of brain and cerebral hemorrhage. Struck by automobile										I			I
Contusion of brain by fall and cerebral hemorrhage										I	I		2

CAUSE OF DEATH—Continued.

[illegible]

CAUSE OF DEATH—*Continued.*

CAUSE OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Injuries, internal, on electric car track	I												I
Injuries by locomotive ...					I								I
Injuries, multiple. Run over by electric car ...												I	I
Injuries on railroad. Fracture of leg and cerebral hemorrhage						I							I
Injuries on railroad track.	I	I	I					I		I	I		6
Injury to spine by fall causing paralysis							I						I
Injuries on street railroad.					I						I		2
Intestines penetrated by board from circular saw.	I												I
Killed on railroad track..		I											I
Poisoned by arsenic								I					I
Poisoned by muriatic acid.												I	I
Scalded	I												I
Smothered in bed clothes.	I			I							I	I	4
Albuminuria and toxemia ..												I	I
Alcoholism	2	3	2	I	I			I			2		12
Anemia, pernicious	I			I				I	2			I	6
Anemia and uterine fibroid.				2									2
Aortic stenosis				I					I	I			3

CAUSE OF DEATH—*Continued.*

CAUSE OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Appendicitis	I		I						I		I		4
Appendicitis and general peritonitis		2									I		3
Arteriosclerosis	I	2	I	3		2	I			2	I	2	15
Arteriosclerosis and atrophy of the stomach							I						I
Arteriosclerosis and cerebral hemorrhage			I										I
Arteriosclerosis and cirrhosis of aorta and coronary artery	I												I
Arteriosclerosis and gangrene of leg		I											I
Arteriosclerosis and hemi- plegia	I												I
Arteriosclerosis and inter- stitial nephritis	I									I			2
Arteriosclerosis and pneu- monia			I										I
Arteriosclerosis and uremia.			I	I									2
Ascitis				I	I								
Asphyxia neonatorum	I		I					I					3
Asthma			I						I				2
Atelectasis								I				2	3

[illegible]

CAUSE OF DEATH—*Continued.*

CAUSE OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Pharyngitis and meningitis	I												I
Tabes dorsalis										I			I
Bronchitis	5	2	I	2	5					I	I	I	18
Bronchitis, acute	2			I				I		I	I	I	7
Bronchitis and broncho-pneumonia	I												I
Bronchitis, capillary	I	2		I		I			2				7
Bronchitis, chronic	I												I
Bronchitis and heart disease. I			I			I							3
Bronchitis and paretic dementia					I								I
Bronchitis and pleurisy						I							I
Cancer of abdomen						I				2			3
Cancer (epithelioma) of bladder		I		I									2
Cancer of bowels			I				I		I				3
Cancer of breast		I							I				2
Cancer of cervix											I		I
Cancer of esophigus						I							I
Cancer of gall bladder				I									I
Cancer of liver				I	2		I	I	I		I		7
Cancer of liver and gall bladder			I						I				2

CAUSE OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Cancer of mediastinum											I		I
Cancer of messentery												I	I
Cancer of neck										I			I
Cancer of penis							I						I
Cancer of rectum	I	2							I				4
Cancer of skin (epithelioma) 2													2
Cancer of stomach	2	I	2			3	2	3		3	2		I 19
Cancer of stomach and liver. I													I 2
Cancer of throat			I										I
Cancer of uterus			I	I		I			I	I	2		7
Cancer (sarcoma) of groin..									I				I
Cancer (sarcoma) of hip...								I					I
Sarcoma of knee and sarco- matosis											I		I
Sarcoma of stomach												I	I
Carbuncle of neck, and pneu- monia				I									I
Cholera infantum	4	I	3	3	3	9	48	41	23	14	2	I	I 52
Cholecistitis				I									I
Cholecistitis and gall stones..												I	I
Chorea		I											I
Convulsions	2			I				6	2	I	I	3	I 6
Croup (not diphtheritic) ...										I			I

CAUSE OF DEATH—*Continued.*

CAUSE OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Croup (not diphtheritic) and acute bronchitis									I				I
Cyanosis				I	I	I							3
Cyanosis (morbus coeruleus) I													I
Cyanosis neonatorum				I									I
Debility, general	I	I	4	I		3	3		I				2 16
Debility, infantile		2		I	I		I						I 6
Debility, senile	I												I
Diabetes		I											I
Diabetes melletus							I	I					2
Diabetes and valvular lesions												I	I
Diarrhea							5						5
Diarrhea, chronic					I					I			2
Diarrhea and infantile debility						I							I
Diarrhea, summer							I	I	I				3
Diarrhea and sepsis of umbilicus										I			I
Difficult birth			I				I	I					3
Diphtheria	3	I	2		2	I		I	I	3	3	2	19
Diphtheria, croupous		I	I	3									5
Diphtheria (membranous croup)		I	I	I	I						2	I	7

CAUSE OF DEATH—*Continued.*

CAUSE OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Dysentery and inflammation of bowels										I			I
Dysentery and liver disease. I													I
Eczema from birth, and pneumonia										I			I
Empyemia	I												I
Enteritis							5	I	I		I	I	9
Enteritis and indigestion ...				I									I
Enteritis and malnutrition..				I									I
Entero-colitis				I			5	I	2	I			10
Entero-colitis, acute					I	I							2
Entero-colitis, chr.	I												I
Epilepsy and pneumonia ...								I					I
Epileptic fits				I									I
Erysipelas						2		I					3
Fistula, fecal, and appendi- citis		I											I
Gallstones			I										I
Gangrene of feet from frost bite	I												I
Gangrene of left foot, vulva and lower part of back ...			I										I
Gangrene of leg									I				I

[illegible]

CAUSE OF DEATH—*Continued.*

CAUSE OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Dilatation and paralysis agi-													
tans												I	I
Dilatation and myocarditis...										I			I
Endocarditis	2		I	I		I		I	I				7
Endocarditis, acute	2			I	I						I		5
Endocarditis, chronic								I	I				2
Endocarditis and nephritis...		I					2		2	I			6
Endocarditis, result of diph-													
theria a year ago		I					I						2
Endocarditis and thrombosis					I								I
Endocarditis and rheumatism				I	I		I						3
Mitral insufficiency		I	2	I	I	2	2				2		11
Mitral regurgitation		I				2	2					I	6
Mitral and tri-cuspid re-													
gurgitation			I										I
Myocarditis		I		I	I			I				I	5
Myocarditis, chronic						I							I
Myocarditis and nephritis...												I	I
Myocarditis and endocarditis						I					I		2
Pericarditis following pneu-													
monia		I											I
Valvular	2	I	I						I			I	6
Valvular, acute										I			I
Valvular, chronic						I		I		I	2		5

CAUSE OF DEATH—*Continued.*

CAUSE OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Valvular, and mitral regurgitation										I			I
Without epithet	2	4	I	4	4			5	4	I	I	3	29
Heart Failure	I	I	I		I			I					5
Hematuria and debility of age											I		I
Hernia, strangulated ventral						I							I
Hydrocephalus	I			2									3
Hyperthyroidation and staticus lymphaticus					I								I
Icterus neonatorum			I					I					2
Ileo-colitis						I	3	3	I	I		I	10
Impacted femur, shock and old age									I				I
Inanition	I				I	I				I			4
Indigestion					2			I				3	6
Indigestion, acute	2			I			I	I	2	I			8
Indigestion, intestinal			I			I	I		I			I	5
Infection of umbilicus						I							I
Inflammation of bowels and chronic enteritis	I												I
Influenza			I	2	I								4
Intestinal obstruction		I	I		I		I					I	5

[illegible]

[illegible]

CAUSE OF DEATH—*Continued.*

CAUSE OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Old age and senile gangrene of foot										I			I
Paralysis and apoplexy				I									I
Paralysis, ascending			I										I
Paralysis, bulbar							I						I
Paralysis, hemiplegia	I	I		2	I								5
Paralysis, progressive	I					I	I			I	I		5
Paresis				I									I
Pemphigus					I		I						2
Peritonitis and abscess of appendix					I			I					2
Peritonitis	I		2						3	I			7
Peritonitis and acute ful- minating appendicitis ...						I							I
Peritonitis and appendicitis									I				I
Peritonitis and perforated duodenal ulcer				I									I
Peritonitis, post operative .					I								I
Peritonitis and salpingitis .									I				I
Pleurisy	I		I							I			3
Pneumonia, broncho	9	5	7	8	4	2	3	4	2	5	12	8	69
Pneumonia, broncho, with complications		I	I	I		3					I		7
Pneumonia, lobar	2	2	4	2	2		I	3		I	I	3	21

CAUSE OF DEATH—*Continued.*

CAUSE OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Placenta praevia					I								I
Pregnancy and heart failure			I										I
Pregnancy and cerebral hemorrhage			I										I
Pregnancy, extraneous								I					I
Sepsis				I	2				I				4
Pulmonary congestion											I		I
Pulmonary edema and arteriosclerosis										I			I
Pulmonary hemorrhage ...								I			I	I	3
Pyemia					I								I
Rheumatism, chronic	I							2					3
Rheumatism, inflammatory and pneumonia	I					I							2
Scarlet fever	2					I			I		I		5
Scarlet fever and adenitis ..			I										I
Scarlet fever and hemorrhage from throat			I										I
Septicemia			I										I
Septicemia from cellulitis of neck										I			I
Septicemia and endocarditis following tonsillitis		I											I
Septicemia of hand and arm						I							I

CAUSE OF DEATH—*Continued.*

CAUSE OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Tuberculosis, pulmonary ..	6	5	6	8	5	12	7	10	9	3	4	10	85
Tuberculosis and shock after induced labor . I													I
Tuberculosis of ribs, and sepsis	I												I
Tumor, malignant abdominal	I												I
Ulcer, rodent	I												I
Unknown natural causes	3	I	I	I	I		3			3		I	13
Typhoid fever	3	2			I		I			I			8
Typhoid fever and hemorrhage from bowels	I						I						2
Typhoid fever with perforation	I	I											2
Typhoid fever and pneumonia	I												I
Typhoid fever and pulmonary embolism								I					I
Whooping cough	I				6	I				I			9
Whooping cough and pneumonia	2	2					I		I	I			7
Total,	150	119	143	135	105	105	159	154	132	104	100	118	1524

DEATHS OF NON-RESIDENTS BROUGHT TO
LAWRENCE FOR BURIAL DURING
THE YEAR 1910.

CAUSE OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	October.	September.	November.	December.	Total.
DEATHS CAUSED BY ACCIDENT.													
Drowning					I		I						2
Fall and injury to head ..	I												I
Poisoning by arsenic											I		I
Alcoholism											I		I
Anemia, pernicious											I		I
DISEASES OF BRAIN AND SPINE.													
Apoplexy		I											I
Apoplexy, cerebral											I		I
Cerebral hemorrhage and chronic rheumatism		I											I
Cerebral thrombosis	I												I
Cerebral sinus, thrombosis of			I										I
Contusion of brain					I								I
Meningitis, acute, and dysentery										I			I
Bronchitis, chronic	I		I		I								3
Bronchitis and senility											I		I
Cancer of intestines	I					I	I						3

CAUSE OF DEATH—*Continued.*

CAUSE OF DEATH.	January.	February	March	April.	May.	June.	July.	August.	September	October	November.	December.	Total.
Cancer of liver						I							I
Sarcoma of pleura						I							I
Cholera infantum							I		I	I			1
Diarrhea							I						I
Diabetes										I			I
Enteritis, chronic	I												I
Gangrene of leg	I												I
Gastritis								I					1
Gastritis, acute						I							I
Gastro-enteritis								I		I			2

HEART DISEASE

Endocarditis	I	I											2
Endocarditis, chronic ...											I	I	I.
Heart, kidney and stom- ach disease											I	I	I
Heart, rheumatism of ...	I												I
Valvular		2		I							I		4
Valvular, chronic								2					2
Without epithet	2							I					3
Heart failure	I	I				I				I			4
Indigestion, acute							I						I
Katatonía							I						I

RECORD OF DEATHS IN LAWRENCE DURING THE YEAR 1910.

CAUSE OF DEATH.	January	February	March	April	May	June	July	August	September	October	November	December	Total
Bright's disease		I										I	2
Bright's disease chronic ..								2					2
Nephritis, acute												I	I
Nephritis, chronic	I								I				2
Uremia											I		I
Uremic senility			I										I
Liver, cirrhosis of	I												I
Liver, hypertrophy of				I									I
Lungs, edema of					I								I
Locomotor ataxia											I		I
Old age		2											2
Paraplegia				I									I
Peritonitis								I					I
Pneumonia	I	I						I			I	I	5
Pneumonia, broncho-							I						I
Pneumonia, lobar	I			I								I	3
Pneumonia, pleuro-		I											I
Premature birth	I		I										2
Puerperal eclampsia			I										I
Suicide by cutting throat ..											I		I
Suicide by shooting											I		I
Still-born	I	2			I							2	6

CAUSE OF DEATH—*Continued.*

CAUSES OF DEATH.	January	February	March	April	May	June	July	August	September	October	November	December	Total
DISEASES OF THE KIDNEYS AND GENITO URINARY SYSTEM													
Tonsilitis											1		1
Tuberculosis (fibroid phthisis)												1	1
Tuberculosis, pulmonary ..	2		1					1	2	2		2	18
Typhoid fever											2	2	
Ulcer of stomach											1		1
Unknown natural causes ..		1	1										2
Total	16	13	9	5	6	6	6	10	5	6	9	15	106

RESIDENTS WHO DIED OUT OF TOWN

During the Year 1910.

CAUSES OF DEATH.	January	February	March	April	May	June	July	August	September	October	November	December	Total
ACCIDENTS.													
DEATHS CAUSED BY													
Drowning								I					I
Fracture of skull and neck								I					I
Injuries				I									I
On railroad				I									I
On street ry								I					I
Arteriosclerosis											2	I	3
DISEASES OF BRAIN AND SPINE.													
Apoplexy			I							I			2
Cerebral hemorrhage							I						I
Organic disease of brain			I										I
Meningitis							I						I
Bowels, obstruction of							I		I				2
Cancer of stomach						I						I	2
Cancer of uterus							I						I
Sarcoma of colon													I
Delirium and exhaustion				I									I
HEART DISEASE.													
Myocarditis		2							I	I			4
Organic								I					I

CAUSE OF DEATH—*Continued.*

CAUSES OF DEATH.	January	February	March	April	May	June	July	August	September	October	November	December	Total
Homicide by gunshot wound										I			I
Hypostatic congestion				I									I
DISEASES OF KIDNEYS AND GENITO-URINARY SYSTE													
Nephritis, chronic						I			I				2
Nephritis, interstitial					I			I					2
Uremia									I				I
Malaria, depressive										I			I
Pararesis			I										I
Pneumonia		I								I			2
Pneumonia, broncho-			I										I
Pneumonia, lobar								I	I				2
Pott's disease		I											I
Pulmonary hemorrhage ...										I			I
Traumatic gangrene from gunshot wound											I		I
Tuberculosis, general			I										I
Tuberculosis, pulmonary ..	I	I	3	3	I	I					3	I	14
Typhoid fever					I								I
Septicemia					I								I
Suicide on railroad track ..			I										I
Total	2	5	8	8	4	3	4	5	6	6	6	4	61

ANNUAL REPORT
OF THE
SUPERINTENDENT OF
PUBLIC PROPERTY
OF THE
CITY OF LAWRENCE,
MASSACHUSETTS.

FOR THE YEAR ENDING DECEMBER 31, 1910.



LAWRENCE, MASS.
AMERICAN-SUN PRINT,
1910.

IN BOARD OF ALDERMEN,

January 30, 1911.

Accepted without reading.

EDWARD J. WADE, *City Clerk.*

IN COMMON COUNCIL,

February 6, 1911.

Accepted in Concurrence.

RICHARD J. SHEA, *Clerk.*

Report of Superintendent of Public Property

TO HIS HONOR, THE MAYOR, AND THE CITY COUNCIL OF THE
CITY OF LAWRENCE.

GENTLEMEN:—

In compliance with the requirements of Section 4, Chapter 27, of the City Ordinances, I hereby submit for your consideration, the following report of the work done in the departments under my supervision for the year ending December 31, 1910.

PUBLIC PROPERTY DEPARTMENT.

The amount appropriated for this department was \$20,500.00. The collections and transfers amounted to \$3,939.54, which added to the amount appropriated made the total amount available, \$24,439.54. The total amount expended was \$43,658.60.

SCHOOL HOUSES.

NEW HIGH SCHOOL.

Fitted one additional room with new furniture, one room with typewriter desks and chairs, rearranged furniture in another room and furnished two Derby desks. Set ground glass in all basement windows and laid 206 feet of new galvanized water pipe.

Renewed 17 feet of 3½ inch tubes in boiler, repaired bells, thermostats, clocks, telephones, engines and boilers. Repairs were made on furniture, glass reset, sanataries overhauled and refinished outside doors.

JOHN K. TARBOX SCHOOL.

Fitted up room over principal's office with new furniture, refinished furniture in two rooms, renewed tapes and cords in Venetian blinds, reset glass, repaired plumbing and furniture and inspected boiler.

OLD HIGH SCHOOL.

Fitted up office for Principal, extended partitions to ceiling on second floor, overhauled radiators, reblacked blackboards, reset glass, renewed win-

dow cords and repaired furniture. Replastered ceiling and painted new partitions in four rooms.

On the night of December 6, 1910, this building which housed the classes for non-English speaking pupils on the two upper floors, the Superintendent of Schools office, school supplies storeroom, School Committee's meeting room and Inspector of Buildings office on the first floor and Industrial School classes in the basement, was gutted by fire and is practically a total loss. Buildings and contents were valued at \$55,000.00 and insured for \$7,500.00. The burning of this school necessitated the hiring and furnishing with school furniture of Paul Chabis hall for the accommodation of non-English speaking pupils, an office for the principal of said school was fitted up in the Old High Annex; the Superintendent of School's office was transferred to the New High School, and the library at the New High School was fitted up as a meeting room for the members of the School Committee.

OLD HIGH ANNEX.

Scraped and painted fire escape.

SO. UNION STREET SCHOOL.

Built porch with vestibule at north side en-

trance, reblackened blackboards, repaired plumbing, in sanatories, reset glass, repaired furniture and roof and painted casings and outbuildings.

PACKARD SCHOOL.

Fitted one room with adjustable furniture, put additional radiators in two rooms, inspected boiler, repaired roof and furniture, reblackened blackboards, reset glass, renewed sash cords, repaired plumbing in boys' and girls' sanatories and whitened and tinted four rooms and four dressing rooms.

PACKARD SCHOOL ANNEX.

Renewed window and blind cords. This building was closed last August and the furniture transferred and set up in Parochial School Hall.

SAUNDERS SCHOOL.

Repaired roof of main building, shingled roof of outbuilding, inspected boiler, reblackened blackboards, reset glass, repaired plumbing and furnace and painted outbuilding.

SAUNDERS SCHOOL ANNEX.

Inspected boiler and renewed castings, reblackened blackboards, reset glass, renewed sash cords,

tapes and cords in Venetian blinds.

EMILY G. WETHERBEE SCHOOL.

Inspected boilers, reset glass, renewed sash and Venetian blind cords and tapes, repaired plumbing in boys' and girls' sanataries and made extensive repairs on gas engine. Reputtied outside sash, tinted ceilings and walls in seven rooms, tinted ceiling and painted walls in Teacher's room.

A. B. BRUCE SCHOOL.

Fitted up three additional rooms and furnished new dial for clock. Inspected boilers, relined several water closet tanks and repaired plumbing. Shellaced and varnished wood work, painted tin roof of tower and tinted walls and ceilings in three rooms.

RIVERSIDE SCHOOL.

Reblackened blackboards, reset glass, inspected boiler, renewed sash cords and repaired plumbing. Painted fence and outside of building, two coats, whitened and tinted two rooms and touched up two hallways.

ESSEX STREET SCHOOL.

Inspected boiler, reset glass and repaired plumbing.

WARREN STREET SCHOOL.

Reblackened blackboards, reset glass, renewed sash cords, inspected boiler and made necessary repairs on same.

LOWELL STREET SCHOOL.

Reblackened blackboards, reset glass, repaired plumbing and furniture, renewed sash cords and inspected boiler.

WASHINGTON STREET SCHOOL.

Reblackened blackboards, renewed window cords, reset glass, repaired plumbing and inspected boiler. Whitened ceiling in rooms 5 and 6, and tinted walls in rooms 4, 5 and 6.

FRANKLIN STREET SCHOOL.

Inspected boiler and renewed 24 feet of 21½ inch tubes, repaired plumbing, reblackened blackboards, reset glass and painted fence and outside of building, two coats.

CROSS STREET SCHOOL.

Inspected boiler, reblackened blackboards, repaired plumbing, reset glass and renewed sash cords.

ARLINGTON STREET SCHOOL.

Renewed sash cords, blind cords and tapes, repaired plumbing and indirect radiators, inspected boiler, reset glass and repaired fence.

PARK STREET SCHOOL.

Reblackened blackboards, inspected boiler and renewed 60 feet of 3 inch tubes, repaired plumbing, put in new galvanized iron water pipes, reset glass, renewed sash and blind cords and tapes, repaired roof and painted picket fence and outbuildings.

HAMPSHIRE STREET SCHOOL.

Reblackened blackboards, inspected boiler, reset glass, repaired plumbing, renewed sash cords and repaired roof and gutter.

AMESBURY STREET SCHOOL.

Refinished all the desks in building, inspected boiler and renewed 28 feet of 3 inch tubes, repaired plumbing, reblackened blackboards, reset glass and renewed sash cords.

OAK STREET SCHOOL.

Reblackened blackboards, inspected boiler, re-

paired plumbing and roof, renewed sash cords, reset glass and painted outbuildings.

OLIVER SCHOOL.

Reblackened blackboards, inspected boiler, repaired plumbing and roof, reset glass, renewed sash cords, patched plastering, whitened ceilings and tinted walls in three corridors, painted outbuildings and wood work in boys' and girls' sanataries.

WALTON SCHOOL.

Reblackened blackboards, renewed sash cords, reset glass, repaired plumbing and roof, and inspected boiler. Washed off walls, whitened ceilings and tinted walls in two rooms and whitened ceilings in hallways. Painted outbuildings.

PROSPECT SCHOOL.

Reblackened blackboards, reset glass, renewed sash cords, repaired plumbing and furniture, inspected boiler and renewed 36 feet of 3 inch tubes and fitted two rooms with new adjustable furniture.

STORROW SCHOOL.

Reblackened blackboards, inspected boiler, renewed sash cords, reset glass, repaired plumbing and

roof. Painted school annex and outbuildings on outside, two coats.

JOHN R. ROLLINS SCHOOL.

Repaired roof and plumbing, renewed sash cords and tapes, inspected boiler and furnished castings for same and enlarged flue from boiler to chimney.

GILBERT E. HOOD SCHOOL.

Inspected boilers, repaired plumbing, locks, doors, furniture, refinished outside doors and tinted ceilings and side walls in two dressing rooms.

ENGINE HOUSES.

HOOK AND LADDER.

Inspected boiler, reset glass, top-dressed stall floors and repaired plumbing.

ENGINE HOUSE NO. 2.

Repaired stall doors and plumbing, shellaced and varnished new inside doors and painted outside doors, two coats.

ENGINE HOUSE NO. 3.

Top dressed stall floors, reset glass, inspected and repaired boiler, reputtied sash throughout build-

ing and remodelled second floor by dividing into four sleeping rooms and bath, and fitted up same with steam heating apparatus and electric lights. Tinted ceilings and painted walls and wood work in four rooms, bath and hallway.

ENGINE HOUSE NO. 4.

Repaired roof and plumbing, top-dressed stall floors, reset glass, inspected and repaired boiler and reputtied outside sash.

CENTRAL FIRE STATION.

Inspected boiler, repaired and rebuilt stalls, fitted up fire alarm room, varnished chief's room, painted ceilings, and walls in two rooms and stained and varnished ten running card frames.

ENGINE HOUSE NO. 6.

Inspected boiler, top-dressed stall floors,, renewed cords and tapes on Venetian blinds, repaired plumbing, reset glass and reputtied outside sash.

ENGINE HOUSE NO. 7.

Inspected boiler, renewed tapes and cords in Venetian blinds, repaired plumbing, reset glass, top-

dressed stall floors, reputtied outside sash and stained and varnished stairway.

ENGINE HOUSE NO. 8.

Top-dressed stall doors, inspected boiler, reset glass, reputtied outside sash and painted outside sash and outside doors.

ENGINE HOUSE NO. 9.

Inspected boiler, extended chimney over roof and built exercise wagon shed.

FIRE ALARM DEPARTMENT.

Furnished and painted 132 cross arms.

POLICE STATION.

Inspected boiler, painted screens, reset glass, top-dressed stall floors, renewed sash cords and repaired plumbing and steam pipes.

CITY HALL.

Inspected boilers and renewed 72 feet of 3-inch tubes, renewed sash cords, reset glass, repaired plumbing and steam piping, doors and locks, overhauled and re-coppered portion of roof.

CITY FARM.

Inspected boilers, four, put new grates in same and renewed 870 feet of 3-inch tubes. Reset glass, renewed sash cords and Venetian blind cords and tapes, repaired dumb waiter and repaired plumbing throughout building. Built brick laundry building, 40ft. x 70ft., furnished and set up one high-pressure boiler, piped building for steam heat and installed electric lights.

BRIDGES.

The appropriation for this department was \$5,000.00. The receipts amounted to \$11.84. The amount expended was \$3,525.28, leaving an unexpended balance of \$1,486.56.

The several bridges were cleaned at regular intervals and the wind fences at the Playstead and on the Duck and Falls bridges were put up and taken down.

SO. CANAL BRIDGE.

Replanked top and bottom.

BENNINGTON STREET BRIDGE.

Repaired roadway and sidewalk.

MERRIMACK STREET BRIDGE.

Relaid sidewalk.

WHITE PUP'S BRIDGE.

Repaired roadway and fences.

DUFFY BRIDGE.

Relaid top and bottom plank and repaired fence.

DAISY STREET BRIDGE.

Replanked top and bottom, put in eight new hard pine stringers, repaired sidewalk and scraped and painted bridge.

INCIDENTAL DEPARTMENT.**BATH HOUSES.**

Rebuilt walks and rails at houses, coopered old barrels, furnished new ones where needed and made minor repairs on inside of these buildings.

PUBLIC URINALS.

The urinals were cared for by men in the employ of the Public Property Department, being cleaned and washed out every day while open to the public.

CASH RECEIPTS, 1910.

M. Carney & Co., rent of stable,	\$ 180.00
John Hart Est., labor,	2.00
T. M. Andrew, Refund Bruce Sch. Policy,	67.50
John Mulcahey, Ven. blind tapes,	6.00
Gilman & Coolidge, Refund, Ins. Policy,	33.75
J. D. Horne, Lt. of plate glass,	4.75
D. E. Halley, account Press Club banquet,	3.00
L. J. O'Leary, pine board, .....	.28
Cemetery Dept., lumber,	29.84
Health Dept., labor and material,	486.15
Water Works Dept., labor and material,	2,449.57
M. F. Collins, labor on screens,	24.50
N. E. Tel. & Tel. Co., labor and material,	11.84
Engineer's Dept., board of horse,	216.00
Park Dept., board of horses,	436.20
Total,	\$3,951.38

SCHEDULE OF PROPERTY IN THE PUBLIC PROPERTY DEPARTMENT.

Carpenter shop, land and buildings,	\$ 9,927.00
Three driving horses,	700.00
One truck horse,	150.00
One heavy sleigh,	40.00
Two light wagons,	200.00
Three light harnesses,	50.00
One light sleigh,	85.00
One heavy harness,	28.00

Two carpenter's wagons,	205.00	
Painter's supplies, ladders, etc.,	62.00	
Tools, derricks, ropes and brackets,	275.00	
Shed and contents (Marion avenue)	1,100.00	
Stock and lumber at shed and shop,	185.00	
One tip cart,	65.00	
Hardware, sash cord, etc.,	15.00	
Stable and street blankets and robes,	35.00	
Storehouse and contents, rear of stable,	200.00	
Boiler, piping and radiators,	300.00	
Wind fences for Playstead,	150.00	
One safe,	325.00	
One Smith-Premier typewriter,	90.00	
One typewriter desk,	35.00	
One small desk,	25.00	
Two roll top desks,	30.00	
Four office chairs,	9.00	
Five common chairs,	5.00	
One letter press,	5.00	
One case drawers,	10.00	
Two cases pigeon holes,	10.00	
One key case,	5.00	
One clock,	3.00	
Pictures,	24.50	
Cuspidors,	1.50	
Curtains,	7.00	
Railing,	20.00	
Toilet room fixtures,	15.00	
One surface planer,	265.00	
Band saw	} \$495.00	
One bench saw,		
One lathe,		
One buzz planer		
One mortiser,		

One 12 H. P. electric motor,	325.00
Shafting and pulleys,	78.00
Two boring machines,	35.00
One electric grinding machine,	12.00
<hr/>	
Total,	\$15,602.00

Respectfully submitted,

PATRICK J. HENNESSEY,

Superintendent of Public Property.

SCHEDULE AND VALUE OF CITY PROPERTY.

A. B. Bruce school	land and buildings	\$ 103,011.21
Amesbury street school,	land and buildings	24,174.00
Arlington street school,	land and buildings	25,796.00
City Hall,	land and buildings	111,277.00
City stables,	land and buildings	28,446.00
Cross street school	land and buildings	7,000.00
Emily G. Wetherbee school	land and buildings	95,067.11
Engine house No. 2	land and buildings	11,000.00
Engine house No. 3	land and buildings	15,000.00
Engine house No. 4	land and buildings	6,000.00
Central fire station	buildings	58,737.00
Engine house No. 6	land and buildings	20,545.11
Engine house No. 7	land and buildings	18,355.00
Engine house No. 8	land and buildings	19,173.87
Engine house No. 9	land and buildings	20,000.00
Essex street school	land and buildings	26,179.00
Franklin street school	land and buildings	13,078.00
Hampshire street school	land and buildings	7,797.00
Harrington school	land and buildings	12,734.00
Old High school	land and buildings	11,500.00
Hook and ladder house No. 1	land and buildings	8,300.00
Lowell street school	land and buildings	8,500.00
Manual Training school	land and buildings	10,922.00
Newbury street school,	land and buildings	10,400.00
New high school	land and buildings	244,367.01
Old Amesbury street school	land and buildings	500.00
Old Battery building	land and buildings	7,400.00
Old Health stables	land and buildings	5,000.00
Old High Annex (laboratory)	land and buildings	2,736.57
Oliver school	land and buildings	53,404.76
Packard school	land and buildings	25,700.00
Packard Annex	land and buildings	7,556.00

Park Annex	land and buildings	6,490.43
Park street school	land and buildings	13,300.00
Police station	land and buildings	45,535.00
Poor farm	land and buildings	120,074.00
Prospect street school	land and buildings	6,911.00
Riverside school	land and buildings	7,000.00
Rollins school	land and buildings	65,170.00
Saunders school	land and buildings	13,981.00
Saunders annex	land and buildings	6,519.00
Storrow school	land and buildings	18,000.00
Tarbox school	land and buildings	57,306.66
Training school	land and buildings	22,005.87
Union street school	land and buildings	11,336.00
Walton school	land and buildings	12,268.00
Warren street school	land and buildings	8,200.00
Washington street school	land and buildings	18,300.00
Gilbert E. Hood school	land and buildings	148,000.00
School house site, ward 6		10,000.00
Engine house site, ward 5		13,000.00
Two portable school houses		4,200.00

Total,\$1,627,253.69

ANNUAL REPORT
OF THE
Inspector of Buildings

OF THE
CITY OF LAWRENCE,
MASSACHUSETTS.

FOR THE YEAR ENDING DECEMBER 31, 1910.



LAWRENCE, MASS.
AMERICAN-SUN PRINT,
1910.

IN BOARD OF ALDERMEN,

February 13, 1911.

Accepted without reading.

EDWARD J. WADE, *City Clerk*.

IN COMMON COUNCIL,

February 20, 1911.

Accepted in Concurrence.

RICHARD J. SHEA, *Clerk*.

Report of Inspector of Buildings.

TO HIS HONOR, THE MAYOR, AND GENTLEMEN OF THE
CITY COUNCIL.

GENTLEMEN:—

In accordance with the requirements of the Building Ordinance, I herewith submit for your consideration the fifth annual report, it being a report of the work performed by the Inspector of Buildings from January 1 to December 31, 1910.

The public official who may be generally disinclined to exert his faculties beyond a reasonable effort, is seized at least once a year with an impulse to address the mayor and city council with an introduction to his annual report, that is worthy of their indulgence and approval. However easy this may seem, it is not always that he can compile his annual volume, with its dry introduction and mass of figures, so that even a passing interest will be given to the efforts of the most zealous. Annual reports are compiled for facts, whether they be interesting or other-

wise. So the facts are here. That the pages may be perused with interest is my desire. If they are to be cast aside and placed in the archives, complaint cannot be made by this office. This volume, through the following pages, offers proofs of the authenticity that our city is forging to the front as one of the greatest textile manufacturing cities in the world. In accomplishing the main purpose, it may appear allowable, by a few extra touches, to give a faint representation of the remarkable growth of the city during the year 1910.

As the city grows in the number of its buildings, it loses something and it gains something else. It alters its appearance; changes take place in this section and in that section. The city's buildings are what its citizens make them. If there is sufficient civic pride and good building laws, the results are all that can be desired. If these two essentials are lacking, the housing of a city's people is simply a matter of profit—nothing else. In the building of a city, as in all things undertaken, “as we sow, so shall we reap.”

The year 1910 has been remarkable, in the fact that the total approximate cost of new buildings has been the largest in the history of this office. The number of permits issued for new buildings was not

as large as the year 1909. The buildings erected during the year were of a better class, in some instances, than had been built during the past few years.

At the beginning of the year, the most skeptical would expect a prosperous outlook for the building trades. Much work was being done and plans had already been made for a great many proposed structures. Operations commenced early in the year. Frozen ground was not considered a hindrance. Buildings were to be erected and an early start was desired.

The building of tenement houses, which had been carried on with much activity during the first six months, fell off during the latter months of the year. This was especially noticeable during the month of September and October. However, the number of tenements reached a good figure.

The work of erecting factory buildings was carried on during the entire year. The great textile corporations continue to increase their plants by the erection of large and costly structures. The Pacific Mills doing the greatest amount of work in this line. This corporation has increased the size of its plant to proportions that seem marvellous. The erection of the great manufacturing building bounded by Hampshire, Methuen, Franklin and Canal streets

was a wonderful addition to this great plant. The corporation made secondary matter of this large structure by building a complete print works plant on Merrimac street, South Lawrence.

Each year, we believe the limit has been reached, but subsequent operations causes us to think otherwise. Our corporations rank with the world's greatest. Brilliant minds are directing. Competition in textiles is keen. It must be met with all the zeal that wide-awake men possess. The erection of modern manufacturing buildings is one method. It plays a very important part. It houses the machinery that supplies the demand. It also houses the operative and during the hours of labor he works under the best conditions possible.

Another textile plant of large proportions which has been erected during the year is the Whitman Spinning Mills on South Union street. This is also a complete plant. Steam and electricity furnish power. When running at full capacity, this mill ought to furnish employment to a large number of operatives. This large plant has been erected on South Union street. The site selected shows that the river bank is not necessary for the site of large manufacturing buildings. Water power is being supplanted by steam and electricity. The location of the plant

in a city of textile workers seems to be the most important. The idea that our mill sites on the banks of the river when filled would cause prospective builders to seek other streams for water power, does not hold. Cheap fuel seems to be of greater importance, in these progressive days, than water power.

The United States Worsted Company built additions to its plant on the south canal. This corporation is now building a large manufacturing plant on South Broadway. The site of the mill was formerly occupied by the "City Flour Mill," which was destroyed a few years ago by fire.

At the beginning of the year, many public amusement houses were doing business. During the year two large theatres were built and one was rebuilt. One building of stores was changed to a theatre. The new theatres are modern structures in every detail, excellent in design and pleasing in decoration. Every playhouse comfort has been provided for patrons.

Permits for three large school buildings were issued during the year. Two parochial schools, one for St. Anne's parish and one for St. Mary's parish. The "John Breen" grammar school, Osgood Street, South Lawrence, was under construction at the end of the year. An excellent feature of St. Mary's

school is that all school rooms are on the south side of the structure. Sunlight will penetrate the school room during the entire school sessions.

In a previous report, it was pointed out that certain school buildings were dangerous in case of fire. I am still of that opinion. The school board has some doubts about it. The board sought other authority. Why procrastinate? There is no such makeshift as "extra precaution." Every precaution should be taken. A thousand experts could be consulted and each would advise a thousand different methods for the same result. Meanwhile, the danger exists. This is a matter of the protection of LIFE.

The Y. M. C. A. building, now under construction, will be a model structure from every point of view. Architecturally, it will be one of the city's leading buildings.

The outlook in the building trades for the year 1911 is not as encouraging as it might be. The large number of idle tenements may affect the building of dwelling houses. The securing of satisfactory loans by prospective builders is another matter which seriously affects the erection of buildings. A great many people are anxious to push to completion proposed structures, but are unable to secure loan terms to be

used in conjunction with their own outlay, which would show an investor's profit.

The following are among the prominent buildings finished or on which work was commenced during the year:

Pacific Weaving Mill.

Pacific Print Works Plant.

William Whitman Merino Mill.

U. S. Worsted Mill, So. Broadway.

U. S. Worsted Mill, South Canal.

Storehouse, Lawrence Gas Co., Methuen St.

Additions to Kimball Company Shoe Shop.

St. Anne's School.

St. Mary's School.

"John Breen" Grammar School.

Y. M. C. A. Building.

St. George's Greek Catholic Church.

Addition to St. Augustine's Episcopal Church.

Addition to Universalist Church.

Broadway Theatre.

Victoria Theatre.

Nickel Theatre.

Ward Five Fire Station.

Goldberg Building, Jackson and Common Sts.

Locomotive Storehouse, Boston & Maine R. R.

NEW BUILDINGS.

The following is a summary of the permits issued from this office, by wards, and the size and purpose of the building for which application for permit to build was filed.

JANUARY, 1910.

	Wards,	1	2	3	4	5	6	Total.
No. of permits,	0	1	0	1	6	28		36
Residences, etc.,	0	0	0	0	1	26		27
Tenement houses,	0	1	0	1	4	1		7
Ten. houses and stores,	0	0	0	0	0	0		0
Blocks of stores,	0	0	0	0	0	0		0
Manufacturing,	0	0	0	0	0	0		0
Pub. & Priv. Institutions,	0	0	0	0	0	0		0
Miscellaneous,	0	0	0	0	1	1		2
Total,	0	1	0	1	6	28		36

	Wards,	1	2	3	4	5	6	Total.
Wood,	0	1	0	1	6	28		36
Brick,	0	0	0	0	0	0		0
Stone,	0	0	0	0	0	0		0
Total,								36

	Wards,	1	2	3	4	5	6	Total.
No. of tenements,	0	3	0	3	13	29		48
No. of stores,	0	0	0	0	0	0		0
Estimate cost, \$89,000.								

FEBRUARY, 1910.

	1	2	3	0	4	3	13
No. of permits,							
Residences, etc.,	0	0	0	0	1	0	1
Tenement houses,	1	1	2	0	2	2	8
Ten. houses and stores,	0	0	0	0	0	0	0
Blocks of stores,	0	0	0	0	0	0	0
Manufacturing,	0	0	0	0	0	0	0

Pub. & Priv. Institutions,	0	0	0	0	0	0	0
Miscellaneous,	0	1	1	0	1	1	4
Total,	1	2	3	0	4	3	13

	Wards,	1	2	3	4	5	6	Total.
Wood,	1	2	3	0	4	3		13
Brick,	0	0	0	0	0	0		0
Stone,	0	0	0	0	0	0		0
Total,								13

	Wards,	1	2	3	4	5	6	Total.
No. of tenements,	6	6	6	0	7	6		31
No. of stores,	0	0	0	0	0	0		0
Estimate cost, \$54,050.00.								

MARCH, 1910.

	Wards,	1	2	3	4	5	6	Total.
Number of permits,	5	4	4	2	8	2		25
Residences, etc.,	0	0	0	0	0	0		0
Tenement houses,	3	3	1	1	4	2		14
Ten. houses and stores,	1	0	2	0	0	0		3
Blocks of stores,	0	1	0	1	0	0		2
Manufacturing,	0	0	0	0	0	0		0
Pub. & Priv. Institutions,	0	0	0	0	1	0		1
Miscellaneous,	1	0	1	0	3	0		5
Total,	5	4	4	2	8	2		25

Wood,	5	4	5	0	7	2		23
Brick,	0	1	0	0	1	0		2
Stone,	0	0	0	0	0	0		0
Total,								25

	Wards,	1	2	3	4	5	6	Total.
Number of tenements,	11	11	8	3	10	6		49
Number of stores,	1	2	4	2	0	0		9
Estimate cost, \$137,450.00								

APRIL, 1910.

	Wards,	1	2	3	4	5	6	Total.
Number of permits,	3	6	3	4	21	16		53
Residences, etc.,	0	0	0	0	2	0		2
Tenement houses,	1	1	2	0	16	15		35
Ten. houses and stores,	0	2	1	3	1	0		7
Blocks of stores,	0	1	0	0	0	0		1
Manufacturing,	0	1	0	2	0	0		3
Pub. & Priv. Institutions,	0	0	0	0	0	0		0
Miscellaneous,	2	1	0	0	1	1		5
Total,	3	6	3	5	20	16		53

	Wards,	1	2	3	4	5	6	Total.
Wood,	3	3	4	2	21	16		49
Brick,	0	0	1	3	0	0		4
Stone,	0	0	0	0	0	0		0
Total,								53

	Wards,	1	2	3	4	5	6	Total.
Number of tenements	4	15	10	13	48	44		134
Number of stores,	0	14	3	10	1	0		28
Estimate cost, \$1,034,450.00								

MAY, 1910.

	Wards,	1	2	3	4	5	6	Total.
Number of permits,	5	4	6	2	5	15		37

Residences, etc.,	0	0	0	0	1	2	3
Tenement houses,	3	2	4	1	4	11	25
Ten. houses and stores,	0	2	0	0	0	0	2
Blocks of stores,	0	0	0	0	0	1	1
Manufacturing,	0	0	0	0	0	0	0
Pub. & Priv. Institutions,	0	0	1	1	0	0	2
Miscellaneous,	2	0	0	0	0	2	4
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Total,	5	4	5	2	5	16	37

Wood,	4	4	6	1	5	15	35
Brick,	0	0	1	0	0	0	1
Stone,	0	0	0	0	0	1	1
Total,							37

	Wards, 1 2 3 4 5 6						Total.
Number of tenements,	5	27	15	4	12	34	97
Number of stores,	0	1	0	0	0	5	6
Estimate cost, \$180,675.00							

JUNE, 1910.

	Wards, 1 2 3 4 5 6						Total.
Number of permits,	7	7	2	2	11	15	44
Residences, etc.,	1	0	0	0	0	0	1
Tenement houses,	5	3	0	0	8	8	24
Ten. houses and stores,	0	1	1	1	1	0	4
Blocks of stores,	0	0	0	0	0	3	3
Manufacturing,	0	0	0	0	0	2	2
Pub. & Priv. Institutions,	0	1	1	0	1	0	3
Miscellaneous,	1	2	0	1	1	2	7
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Total,	7	7	2	2	11	15	44

	Wards,	1	2	3	4	5	6	Total.
Wood,	7	7	1	3	10	11		39
Brick,	0	0	1	0	2	2		5
Stone,	0	0	0	0	0	0		0
Total,								44

	Wards,	1	2	3	4	5	6	Total.
Number of tenements,	23	9	0	11	22	22		87
Number of stores,	0	1	2	0	1	7		11
Estimate cost, \$301,575.00								

JULY, 1910.

	Wards,	1	2	3	4	5	6	Total.
*Number of permits,	2	5	3	1	11	9		31
Residences, etc.,	0	0	0	0	2	0		2
Tenement houses,	2	2	1	1	7	4		17
Ten. houses and stores,	0	1	1	0	0	0		2
Blocks of stores,	0	0	0	0	0	3		3
Manufacturing,	0	0	0	0	0	2		2
Pub. & Priv. Institutions,	0	0	0	0	0	0		0
Miscellaneous,	0	2	1	0	1	3		7
Total,	2	5	3	1	11	9		31

	Wards,	1	2	3	4	5	6	Total.
Wood,	2	4	3	1	10	5		25
Brick,	0	1	0	0	0	4		5
Stone,	0	0	0	0	1	0		1
Total,								31

	Wards,	1	2	3	4	5	6	Total.
Number of tenements,	6	12	7	3	23	12		63
Number of stores,	0	2	2	0	1	0		5
Estimate cost, \$2,211,630.00								

*One building is plastered with cement.

AUGUST, 1910.

	Wards,	1	2	3	4	5	6	Total.
Number of permits,		5	3	1	6	7	4	26
Residences, etc.,		1	0	0	0	0	1	2
Tenement houses,		2	2	1	1	7	4	17
Ten. houses and stores,		1	0	0	1	2	0	4
Blocks of stores,		0	0	0	0	0	0	0
Manufacturing,		0	0	0	0	1	1	2
Pub. & Priv. Institutions,		1	2	0	0	0	0	3
Miscellaneous,		0	0	0	0	1	1	2
Total,		6	3	1	6	7	3	26

	Wards,	1	2	3	4	5	6	Total.
Wood,		3	1	1	7	6	4	22
Brick,		1	2	0	0	0	0	3
Stone,		1	0	0	0	0	0	1
Total,								26

	Wards,	1	2	3	4	5	6	Total.
Number of tenements,		5	3	3	17	9	4	41
Number of stores,		1	0	0	2	2	0	5
Estimate cost, \$334,000.00								

SEPTEMBER, 1910.

	Wards,	1	2	3	4	5	6	Total.
Number of permits,		3	2	0	0	2	1	8
Residences, etc.,		0	0	0	0	0	0	0
Tenement houses,		2	1	0	0	1	1	5
Ten. houses and stores,		0	0	0	0	1	0	1
Blocks of stores,		0	0	0	0	0	0	0

Manufacturing,	1	1	0	0	0	0	2
Pub. & Priv. Institutions,	0	0	0	0	0	0	0
Miscellaneous,	0	0	0	0	0	0	0
Total,	3	2	0	0	2	1	8

	Wards,	1	2	3	4	5	6	Total.
Wood,		2	1	0	0	2	1	6
Brick,		0	1	0	0	0	0	1
Stone,		1	0	0	0	0	0	1
Total,								8

	Wards,	1	2	3	4	5	6	Total.
Number of tenements,		5	1	0	0	3	3	12
Number of stores,		0	0	0	0	1	0	1
Estimate cost, \$27,700.00								

OCTOBER, 1910.

	Wards,	1	2	3	4	5	6	Total.
Number of permits,		1	3	1	1	4	2	12
Residences, etc.,		0	0	0	0	1	0	1
Tenement houses,		1	2	0	0	2	1	6
Ten. houses and stores,		0	1	0	0	0	0	1
Blocks of stores,		0	0	0	1	0	0	1
Manufacturing,		0	0	0	0	0	0	0
Pub. & Priv. Institutions,		0	0	1	0	0	0	1
Miscellaneous,		0	0	0	0	1	1	2
Total,		1	3	1	1	4	2	12

	Wards,	1	2	3	4	5	6	Total.
Wood,		1	3	0	1	4	2	11
Brick,		0	0	1	0	0	0	1

Stone,	0	0	0	0	0	0	0
Total,							12

	Wards,	1	2	3	4	5	6	Total.
Number of permits,		3	11	0	0	4	2	20
Number of stores,		0	2	0	6	0	0	8
Estimate cost, \$156,800.00								

NOVEMBER, 1910.

	Wards,	1	2	3	4	5	6	Total.
Number of permits,		6	2	1	0	5	7	21
Residences, etc.,		0	0	0	0	1	1	2
Tenement houses,		4	2	1	0	1	3	11
Ten. houses and stores,		0	0	0	0	0	0	0
Blocks of stores,		1	0	0	0	0	0	1
Manufacturing,		1	0	0	0	0	0	1
Pub. & Priv. Institutions,		0	0	0	0	0	1	1
Miscellaneous,		0	0	0	0	3	2	5
Total,		6	2	1	0	5	7	21

	Wards,	1	2	3	4	5	6	Total.
Wood,		6	2	1	0	5	5	19
Brick,		0	0	0	0	0	1	1
Stone,		0	0	0	0	1	0	1
Total,								21

	Wards,	1	2	3	4	5	6	Total.
Number of tenements,		12	21	0	0	3	7	43
Number of stores,		1	0	0	0	1	0	2

Estimate cost, \$161,100.00

One permit issued for two buildings.

DECEMBER, 1910.

	Wards,	1	2	3	4	5	6	Total.
Number of permits,	2	1	0	2	3	2		10
Residences, etc.,	0	0	0	0	0	0		0
Tenement houses,	2	1	0	2	1	0		6
Ten. houses and stores,	0	0	0	0	1	0		1
Blocks of stores,	0	0	0	0	0	0		0
Manufacturing,	0	0	0	0	0	1		1
Pub. & Priv. Institutions,	0	0	0	0	0	0		0
Miscellaneous,	0	0	0	0	1	1		2
Total,	2	1	0	2	3	2		10

	Wards,	1	2	3	4	5	6	Total.
Wood,	1	1	0	2	3	0		7
Brick,	0	0	0	0	0	2		2
Stone,	1	0	0	0	0	0		1
Total,								10

	Wards,	1	2	3	4	5	6	Total.
Number of tenements,	5	2	0	6	3	0		16
Number of stores,	0	0	0	0	3	0		3
Estimate cost, \$43,800.00								

ADDITIONS AND ALTERATIONS.

JANUARY, 1910.

Twelve permits for additions and alterations were issued, as follows: Alterations to change tenement to store; addition of two stories to factory building; addition to enlarge two tenements; alterations of two stores for moving picture house; addition to enlarge three tenements; addition to tenement house for store; alteration to change tenement to store; addition to building for two tenements; alteration for store front; addition to storehouse; addition to tenement house for store; addition to tenement house for one tenement.

Three tenements added; four stores added. Estimate cost, \$14,850.00.

FEBRUARY, 1910.

Eight permits for additions and alterations were issued, as follows: Building changed from boarding and lodging house to storehouse; addition to three tenement houses for additional tenements; addition to factory; alteration to enlarge tenement; addition to storehouse; addition for store.

Seven tenements added; one store added. Estimate cost, \$23,400.00.

MARCH, 1910.

Nine permits for additions and alterations were issued, as follows: Addition to buildings for additional tenements, two; addition to enlarge tenement; addition for stairs; addition for blacksmith shop; lodging house changed to storehouse; alterations for enlarging store, two; addition for store.

Five tenements added; one store added.

Estimate cost, \$18,125.00.

APRIL, 1910.

Eighteen permits for additions and alterations were issued, as follows: Additions to tenement houses for additional tenements, four; additions and alterations to enlarge tenements, seven; additions and alterations for additional stores, five; addition to boiler house, one; addition for blacksmith shop and carriage house, one.

Four tenements added; six stores added.

Estimate cost, \$33,400.00.

MAY, 1910.

Twelve permits for additions and alterations were issued, as follows: Additions for additional tenements, one; additions and alterations to enlarge

tenements, five; additions to enlarge store, two; for additional stores, one; to change stores to theatre, one; to change stable to dwelling house, one; addition for stairs, one.

Two tenements added; two stores added.

Estimate cost, \$8,450.00.

JUNE, 1910.

Sixteen permits for additions and alterations were issued, as follows: Additions and alterations for additional tenements, two; to enlarge tenements, two; additions and alterations for stores, six; remodelling store, one; addition for stairway, one; to enlarge garage, one; to rebuild theatre, one; tenement changed to store, one; storehouse enlarged, one.

Six tenements added; twelve stores added.

Estimate cost, \$62,290.00.

JULY, 1910.

Eleven permits for additions and alterations were issued, as follows: Additions and alterations for additional tenements, three; to enlarge tenement houses, two; for additional stores, three; alterations for studio; stores changed to theatre; addition for office room.

Three tenements added; five stores added.

Estimate cost, \$10,275.00.

AUGUST, 1910.

Fourteen permits for additions and alterations were issued, as follows: For additional tenements, two; to enlarge tenement houses, five; for additional stores, one; to enlarge hall, one; for alterations of stores, two; enlarging school building, one; addition to church, one; addition to storehouse, one.

Three tenements added; two stores added.

Estimate cost, \$44,600.00.

SEPTEMBER, 1910.

Sixteen permits for additions and alterations were issued, as follows: Additions and alterations for additional tenements, three; to enlarge tenements, three; for additional stores, one; alterations of stores, five; additions to factories, two; tenement house changed to lodging house, one; tenement changed to pool room, one.

Five tenements added; one store added.

Estimate cost, \$26,400.00.

OCTOBER, 1910.

Seven permits for additions and alterations were issued, as follows: For additional tenements, two; tenement changed to pool room, one; altera-

tions for offices, one; addition for hall, one; alterations of stores, two.

Three tenements added.

Estimate cost, \$20,600.00.

NOVEMBER, 1910.

Eleven permits for additions and alterations were issued, as follows: For additional tenements, three; to enlarge tenement houses, two; for additional stores, two; for alterations of stores, two; tenement house changed to work shop and storehouse, one; building raised one story for additional stores and storehouse.

Four tenements added; three stores added.

Estimate cost, \$20,875.00.

DECEMBER, 1910.

Nine permits for additions and alterations were issued, as follows: For additional tenements, one; to enlarge tenements, one; for additional stores, four; for alteration of stores, one; to change tenement to studio, one; addition to stable, one.

Six tenements added; four stores added.

Estimate cost, \$10,725.00.

NEW BUILDINGS WERE DISTRIBUTED BY WARDS AS FOLLOWS:

	Dwellings.	Tenements.	Stores.	Manu- facturing.	Miscel- laneous.
Ward 1.	30	85	3	1	8
Ward 2.	27	121	22	2	11
Ward 3.	18	49	11	0	6
Ward 4.	16	60	20	2	4
Ward 5.	69	157	10	2	17
Ward 6.	77	169	12	6	20
Totals,	237	641	78	13	66

NEW BUILDINGS. TENEMENTS AND STORES ADDED BY MONTHS.

	Number of Tenements.	Number of Stores.
January,	48	0
February,	31	0
March,	49	9
April,	134	28
May,	97	6
June,	87	11
July,	63	5
August,	41	5
September,	12	1
October,	20	8
November,	43	2
December,	16	3
Total,	641	78

TENEMENTS AND STORES ADDED BY ADDITION AND ALTERATION OF EXISTING BUILDINGS.

	Number of Tenements.	Number of Stores.
January,	3	4
February,	7	1
March,	5	1
April,	4	6
May,	2	2
June,	6	12
July,	3	5
August,	3	2
September,	5	1
October,	3	0
November,	4	3
December,	6	4
	<hr/>	<hr/>
Total,	51	41

	Tenements.	Stores.
Tenements, new buildings,	641	78
Added by Addition and Alteration,	51	41
	<hr/>	<hr/>
Total,	692	119

NEW BUILDINGS. NUMBER OF TENEMENTS AND STORES BY WARDS.

	Tenements.	Stores.
Ward 1.	85	3
Ward 2.	121	22
Ward 3.	49	11
Ward 4.	60	20
Ward 5.	157	10
Ward 6.	169	12
	<hr/>	<hr/>
Total,	641	78

ADDITIONS AND ALTERATIONS BY WARDS.

	Tenements.	Stores.
Ward 1.	9	0
Ward 2.	14	15
Ward 3.	10	13
Ward 4.	6	8
Ward 5.	3	4
Ward 6.	9	1
	<hr/>	<hr/>
Total,	51	41

TENEMENTS AND STORES ADDED BY YEARS

	Tenements.	Stores
*1906	280	44
1907	767	71
1908	407	46
1909	1045	161
1910	692	119

*Seven months.

MATERIAL, NEW BUILDINGS AND LOCATION ON LOT.

	Wood.	Brick.	Concrete.	Front.	Rear.
January,	36	0	0	33	3
February,	13	0	0	12	1
March,	23	2	0	21	4
April,	49	4	0	46	7
May,	35	1	1	37	0
June,	39	5	0	35	9
July,	25	5	1	29	2
August,	22	3	1	20	6
September,	6	1	1	6	2
October,	11	1	0	11	1
November,	19	1	1	17	4
December,	7	2	1	7	3
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Total,	285	25	6	274	42

NUMBER OF PERMITS ISSUED BY MONTHS FOR DWELLING HOUSES AND TENEMENTS CONTAINED IN BUILDINGS.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
One Ten.,	27	1	0	2	3	3	2	5	2	2	2	1	50
Two Ten.,	3	0	5	18	7	7	3	6	2	3	5	3	62
Three Ten.,	3	6	11	17	16	17	13	8	2	2	5	3	103
Four Ten.,	0	0	0	2	0	0	1	0	0	0	0	0	3
Six Ten.,	1	2	1	3	2	0	2	0	0	1	0	0	12
Seven Ten.,	0	0	0	1	0	0	0	0	0	0	0	0	1
Eight Ten.,	0	0	0	0	1	1	0	0	0	0	0	0	2
Eleven Ten.,	0	0	0	0	0	1	0	0	0	0	0	0	1
Twelve Ten.,	0	0	0	1	1	0	0	0	0	0	0	0	2
Sixteen Ten.,	0	0	0	0	0	0	0	0	0	0	1	0	1
Mis. etc.,	2	4	8	9	7	15	10	7	2	4	8	3	79
	36	13	25	53	37	44	31	26	8	12	21	10	316

HEIGHT OF BUILDINGS BY STORIES.

	No. of 1 story.	No. of 1 1/2	No. of 2 story.	No. of 3 story.	No. of 4 story.	No. of 5 story.	No. of 6 story.	Total.
January,	1	28	3	4	0	0	0	36
February,	2	2	1	8	0	0	0	13
March,	5	0	5	14	1	0	0	25
April,	5	2	22	18	5	0	1	53
May,	6	3	8	17	3	0	0	37
June,	10	2	13	16	3	0	0	44
July,	6	1	9	11	3	0	1	31
August,	7	0	9	8	2	0	0	26
September,	1	1	2	4	0	0	0	8
October,	3	0	6	1	2	0	0	12
November,	6	1	7	6	1	0	0	21
December,	2	0	4	3	1	0	0	10
Permits,	54	40	89	110	21	0	2	316

NEW BUILDINGS.

TOTALS.

No. of permits, new buildings,	316
No. of permits, additions, etc.,	143
No. of dwellings,	237
No. of cottages, residences,	50
No. of tenement houses,	163
No. of tenement houses and stores,	24
No. of blocks of stores,	10
No. of public and private institutions,	11
No. of manufacturing buildings,	13
No. of miscellaneous buildings,	45
No. of tenements,	692
No. of stores,	119

No. of tenements, new buildings,	641
No. added by addition and alteration,	51

Total, 692

No. of stores, new buildings,	78
No. added by addition and alteration,	41

Total, 119

ADDITIONS AND ALTERATIONS, MATERIALS, COST, ETC.

Wooden buildings, including veneered buildings,	288	\$1,054,630.00
Additions, alterations to wooden buildings,..	117	158,740.00

Total for wooden buildings, 405 \$1,213,370.00

Brick buildings,	23	3,635,000.00
Additions, alterations to brick buildings,..	26	135,250.00

Total for brick buildings, 49 3,770,250.00

Concrete buildings,	5	42,600.00
Additions, alterations to concrete buildings, ..	0	
Total for concrete buildings,		42,600.00
Grand total,	459	\$5,026,220.00

ESTIMATED VALUATION.

The estimated cost of new buildings and additions and alterations to existing buildings reached the highest figure in the history of this office. More than one-half of the amount was expended in the erection of new mills and factories. The amount expended on public buildings was larger this year than has previously been recorded. The sum expended on tenement houses reached a good figure, but was not as large as the records show for others for at least two previous years. The falling off was noticeable during the last four months of the year. This was probably due to the great number of idle tenements throughout the city and also to the fact that persons who contemplated building were unable to secure satisfactory loans.

The cost of repairs to existing buildings is not included in this estimate. No permits are issued for this work. A large sum of money is expended each year to keep in repair the existing buildings of this city.

Following is a tabulated statement of the estimated cost of new buildings and additions and alterations to existing buildings by months:

ESTIMATED COST NEW BUILDINGS.	ESTIMATED COST OF ADDITIONS AND ALTERATIONS TO EXISTING BUILDINGS
January,\$ 89,000	January,\$ 14,850
February, 54,050	February, 23,400
March, 137,450	March, 18,125
April, 1,034,450	April, 33,400
May, 180,675	May, 8,450
June, 301,575	June, 62,290
July, 2,211,630	July, 10,275
August, 334,000	August, 44,600
September, 27,700	September, 26,400
October, 156,800	October, 20,600
November, 161,100	November, 20,875
December, 43,800	December, 10,725
Total, .....\$4,732,230	Total, .....\$293,990
New buildings, .....\$4,732,230	
Additions, etc., 293,990	
Total, .....\$5,026,220	

ESTIMATED VALUATION BY YEARS.

1906. (Seven months) new buildings, .....\$838,000	
Additions and alterations, 135,000	
Total, .....\$973,000	
1907. New buildings, .....\$1,579,500	
Additions and alterations, 256,500	
Total, .....\$1,836,000	

1908. New buildings,	\$996,600
Additions and alterations,	181,850
Total,	\$1,178,450
1909. New buildings,	\$4,293,640
Additions and alterations,	218,860
Total,	\$4,512,500
1910. New buildings,	\$4,732,230
Additions and alterations,	293,990
Total,	\$5,026,220

OLD BUILDINGS.

During the year, many old buildings were inspected. This was done at the request of citizens. Notices in some instances were sent to owners of old structures, requesting that such buildings be made safe or secure. The following is a summary of old buildings torn down or removed to be replaced by new buildings:

Old buildings torn down to be replaced by new structures,	24
Old buildings removed to new location to be replaced by new structures,	11

HOTELS AND LODGING HOUSES.

According to the requirements of Section 34, Chapter 104, Revised Laws, the hotels and lodging houses of the city were inspected during the year and

a report of such inspection was sent to the Chief of the District Police.

THEATRES AND PUBLIC BUILDINGS.

The theatres of the city were inspected at different periods during the year. They were found to comply with the requirements of law. One building which was used as a public hall had its license revoked for overcrowding.

Two new theatre buildings were erected during the year and one theatre was rebuilt. The new structures are excellent buildings for the presentation of theatrical performances and are well planned for the comfort of patrons. Motion pictures and motion pictures with vaudeville constitute the popular amusement provided by nearly all the city's playhouses.

The public halls were inspected during the year. The public schools were also inspected.

FIRE ESCAPES.

The fire escapes of the city were inspected during the year. In a few instances, repairs were requested to be made. Many verbal orders were given to keep this means of egress clear to owners and tenants of buildings who had placed obstructions on them.

ELEVATORS.

The elevators of the city were not inspected this year. A few elevators were inspected and tested at the request of owners or on complaint that such machines were unsafe. This work ought to be done each year. It is important that all of the elevators in this city used for freight or passengers should have the proper safety devices and such devices should be tested at least once a year.

MISCELLANEOUS.

On December 7, 1910, early in the morning, the Old High School building, in which was located the office of the Inspector of Buildings, was destroyed by fire. The fire was caused by a burning cigar or cigarette stub which had been carelessly thrown on the floor of what was used as a voting booth. The voting booth occupied a portion of the school department supply storeroom, on the first floor of the building. The building was completely gutted, the upper portion being destroyed.

The flames did not get into the office of the Inspector of Buildings, except behind plaster of ceiling and around partition of southwest corner. In this corner was located the desk which contained some

valuable records and books. Some damage by fire was done here. The greater damage was done by water.

Nearly all records were saved. Those which were destroyed were not of great importance as city documents. Many valuable plans were destroyed by water, as were also many books which were the personal property of the Inspector. These books were technical works of well-known authors and can be replaced. Some valuable data which had been collected by the Inspector of Buildings, during his term of office, were either destroyed or lost. This data contained a list of accidents on buildings, the causes, etc. A list of the most serious accidents which had occurred throughout the country, which had come to the notice of the Inspector; failures in construction in this city, a list of buildings which would need inspecting frequently, old and dilapidated buildings, etc. This book also contained several sketches and portions of plans of buildings which failed during construction. The loss of this data was the most serious of all. Most of the office furniture and stationery was destroyed by fire and water.

Temporary quarters were secured December 7, 1910, at the Central Fire Station, Lowell street. This place was unsuitable for conducting official business

and on Dec. 15, 1910, a permanent office was secured in the Central Building, 316 Essex street.

The public property department officials were unable to provide a suitable office in any of the city's buildings.

RECOMMENDATIONS.

Each year, I have recommended that the City Council take up the matter of revising the Building Ordinances. That suggestion is not out of place at this time. Last year and the year previous, I recommended that the Building Ordinance be revised along the lines laid down by the National Board of Fire underwriters. This year I make the same suggestion. Under the present ordinance, there is no provision for foundations, thickness of brick walls, size of floor timbers or columns, floor loads, lighting or ventilation of building, protection against fire, or any of the important matters which a building ordinance should restrict. Of course, in a general way, some provision has been made in the ordinance to cover some of the matters above mentioned. The law should be specific and accurate, in order to be effective.

CONCLUSION.

In conclusion, I desire to express my sincere

thanks to all those who have assisted me in my duties during the year. To the Mayor, and other city officials for assistance given, I am thankful. I am sincerely grateful to those citizens who were thoughtful enough to offer me portions of their buildings, for temporary offices, at the time the Old High School building was destroyed by fire.

Respectfully submitted,

JEREMIAH J. CAREY,

Inspector of Buildings.

Report of the City Solicitor

Lawrence, Mass., Dec. 31, 1910.

To His Honor, the Mayor, and Gentlemen of the City Council:—

I herewith submit my report for the year 1910, as City Solicitor.

During the year the following cases have been disposed of:

Frank J. Stanley et al. vs. City of Lawrence—action of contract—Mahoney & Mahoney for pltf.

Robert Hagan vs. City of Lawrence—action of tort—Donovan & Arundel for pltf.

Katherine Riley vs. City of Lawrence—action of tort—Charles A. Clifford for pltf.

Margaret Burke vs. City of Lawrence—action of tort—Kane & Delaney for pltf.

Bennie Cohen vs. City of Lawrence—action of tort—Sweeney & Cox for pltf.

Thomas J. Sayer vs. City of Lawrence—action of contract—Donovan & Arundel for pltf.

Cornelius M. Casey vs. City of Lawrence—action of contract—Donovan and Arundel for pltf.

Sarah A. Lees vs. City of Lawrence—action of tort—Thomas D. Delaney for pltf.

Jennie M. Marston vs. City of Lawrence—action of tort—Rowell & Clay for pltf.

Attorney General vs. Thomas M. Jordan, writ of mandamus to compel meeting to elect a Mayor, Bradley & Dooley for deft.

The great majority of the outstanding cases against the City of Lawrence are actions of tort for alleged defects in the highways. The most important case now outstanding against the City of Lawrence is the case of the Essex Company vs. City of Lawrence, in which the Essex Company seeks to recover for an alleged excessive tax valuation. By vote of the City Council, Col. John P. Sweeney is associated with the City Solicitor in this case.

There has been during the year an unusual call upon the City Solicitor for opinions, many of which have been written opinions and most of which are on record at the City Clerk's office.

There are many very important matters for the City's Law Department at the present time, but these are merely in an initial stage. Perhaps the most important of these matters is that of the abolition of the grade crossings.

Respectfully yours,

DANIEL J. MURPHY,

City Solicitor.

THE
ANNUAL JURY LIST

PREPARED BY THE

Registrars of Voters

OF THE

CITY OF LAWRENCE,
MASSACHUSETTS.

FOR THE YEAR ENDING DECEMBER 31, 1910.



LAWRENCE, MASS.
AMERICAN-SUN PRINT,
1910.

IN BOARD OF ALDERMEN,

July 5, 1910.

Accepted without reading.

CORNELIUS J. CORCORAN, *City Clerk.*

Jury List, 1910.

A

Abbott, George O., yard master, 108 Margin
Ahern, Augustine B., clerk, 40 White
Allman, Charles C., machinist, 328 Walnut
Allyn, Warren C., manufacturer, 16 Allyn place
Andrews, Orrin, real estate agent, 25 Vine
Armfield, Alfred, machinist, 7 Lea
Arundel, Edward L., insurance agent, 6 Winthrop ave.
Atherton, Walter G., piper, 162 Walnut
Aust, Paul F., plumber, 38 Knox
Austin, Mahlon E., merchant, 9 Albion
Ayer, Robert S., manager, 35 Concord

B

Bachman, Albin B., machinist, 38 Cornish
Baehr, George, harnessmaker, 60 Bennington
Bailey, James R., paper dealer, 1001 Essex
Bailey, David, retired, 41 Butler
Ball, Frank, merchant, 232 Bruce
Barlow, Richard, retired, 492 Lowell
Barnes, Alfred E., salesman, 415 Lowell
Barrett, Edward L., druggist, 234 High
Barrett, Mark P., mill operative, 82 Lexington
Barry, William T., bricklayer, 59 Cross
Barry, William J., laborer, 20 Turner

Bates, William T., woolsorter, 62 Belmont
Batterberry, James E., clerk, 9 Garfield
Battershill, Charles E., clerk, 292 Ames
Bauer, Paul, weaver, 42 Norris court
Beals, Samuel M., supply dealer, 9 Bodwell
Bean, Cyrus E., merchant, 16 Bellevue
Beanland, John T., woolsorter, 26 Woodland
Beaumont, William, operative, 146 Margin
Beck, Herman, cigar maker, 12 Oakwood ave.
Bedell, John H., conductor, 302 So. Union
Bee, John, carpenter, 120 Hancock
Bee, Timothy, patternmaker, 254 Water
Beedles, George, overseer, 98 Farnham
Beil, Hugo, jeweler, 151 East Haverhill
Belisle, Edward, manager, 477 Essex
Belknap, Edmund B., clerk, 160 Parker
Bennett, Joseph, barber, 34 Cedar
Bennert, Emil, grocer, 36 Pleasant
Bennink, Leonard E., merchant, 61 Thorndike
Benoit, Eugene O., carpenter, 15 Garfield
Bergman, Arran, contractor, 237 High
Berry, James D., bicycle dealer, 75 Lexington
Bicknell, Edmund, merchant, 19 Bellevue
Bingham, Frank, coal dealer, 179 West
Bingham, John H., clerk, 11 Green
Bird, John F., candy manufacturer, 102 Auburn
Bird, Louis A., candy manufacturer, 84 Tremont
Blanchette, Wilfred, plumber, 462 Haverhill
Blandin, Ira D., beltmaker, 38 Cross
Boddy, Edward, clerk, 277 High
Bode, William, roll coverer, 27 Kendrick
Boehm, Adam, operative, 296 High
Boothman, James, overseer, 116 Berkeley
Borneman, Frank J., carpenter, 10 Moran court

Bosch, George H., Jr., grocer, 6 Jordan avenue
Bossler, Charles H., butcher, 262 Jackson
Botelho, Manuel J., barber, 224 Common
Bradley, Charles E., real estate agent, 42 Belmont
Bradley, Henry J., real estate agent, 14 Summit ave.
Bradshaw, George W., druggist, 75 Newbury
Brainard, Francis G., carder, 57 Kendall
Branz, Samuel E., merchant, 6 Butler
Bradley, John T., moulder, 100 Park
Breen, John J., undertaker, 369 Oak
Bresnahan, Patrick F., mill operative, 74 Avon
Brewster, Albert R., Rep. Int. Cor. School, 101 Amesbury
Bricault, George E., salesman, 27 Winthrop ave.
Bride, James H., plumber, 116 East Haverhill
Brideau, Arthur, clerk, 20 Orchard
Brooks, Walter H., conductor, 6 Chickering
Brown, David, shuttle manufacturer, 181 Jackson
Brown, William V., clerk, 27 White
Brown, John F., woolsorter, 331 Chestnut
Brown, Joseph P., cigar dealer, 367 Hampshire
Bruckmann, Ernest W., graindealer, 12 Sheridan
Buckley, Timothy J., merchant, 31 Abbott
Bunting, Samuel, Jr., blacksmith, 7 Willoughby
Bunting, Samuel, mill operative, 89 Myrtle
Burke, Michael J., druggist, 139 Broadway
Burke, Michael J., salesman, 202 Saratoga
Butler, Franklin, retired, 431 Lowell
Butler, William J., shoedealer, 93 Bradford
Butterworth, James W., woolsorter, 46 Holly
Byrne, James T., stableman, 44 Fern
Byrne, Joseph H., tinsmith, 59 Trenton

C

Caffrey, Andrew A., coal dealer, 12 School

Cahill, Michael J., merchant, 629 Haverhill
Call, Harry B., druggist, 8 Swan
Calnan, Nicholas, conductor, 4 Nelson
Campbell, Andrew W., operative, 73 Abbott
Campbell, Dugald, clerk, 239 Bailey
Campbell, Edwin C., baker, 128 So. Broadway
Carney, Thomas, laborer, 61 Mechanic
Cannon, John F., second-hand, 74 Avon
Carpenter, Richard H., woolsorter, 175 Haverhill
Carroll, Michael, real estate, 55 Tewksbury
Carroll, Patrick J., coal dealer, 62 Osgood
Carty, William J., storekeeper, 85 Lawrence
Casey, John, retired, 264 Ames
Cassidy, Charles, clerk, 17 Clark
Chadwick, Samuel, retired, 16 Belmont
Choate, Charles H., merchant, 28 Wilmot
Choate, Edmund B., clerk, 21 Ridge road
Churchill, Fred A., grocer, 320 Lowell
Churchill, Walter I., clerk, 535 Lowell
Churchill, Thomas F., tinsmith, 16 Graichen terrace
Churchill, Woodbury, L., fish dealer, 11 Cedar
Clayton, George, merchant, 58 Ames
Claus, Emil C., butcher, 154 Farnham
Clifford, Thomas F., painter, 115 Spruce
Closson, Charles H., manager, 144 Franklin
Coan, Patrick J., merchant, 162 Newbury
Coburn, Enock F., retired, 341 Haverhill
Cogswell, Thomas M., retired, 3 Jackson court
Colby, Arthur E., undertaker, 88 East Haverhill
Colby, Leroy S., superintendent, 33 Belmont
Cole, Arthur L., merchant, 8 Allyn terrace
Collopy, Michael H., teamster, 309 High
Condon, Thomas J., woolsorter, 37 Short
Conlin, James S., real estate agent, 493 Haverhill

Conlin, Michael, undertaker, 42 Crosby
Connelly, James A., watchman, 525 Essex
Connor, John F., laundryman, 13 Camden
Connor, William A., laundryman, 43 Exchange
Connor, John J., publisher, 14 Middlebury
Cooper, Arthur, woolsorter, 12 Park
Corey, William A., plumber, 10 Sargent
Corr, James, overseer, 24 Orchard
Costello, John, laborer, 39 Springfield
Costello, Miles, janitor, 228 Essex
Costello, Richard, mill operative, 13 Howard
Cotter, Thomas F., 18 Summit ave.
Coughlin, James J., machinist, 171 Hampshire
Coupe, Theophilus, newsdealer, 513 Broadway
Coyne, Matthew, clerk, 79 Avon
Crane, John R., clerk, 53 Kendall
Craven, Thomas, operative, 400 Lowell
Cray, Emanuel P., salesman, 196 West
Cregg, John A., cutter, 173 Andover
Cullinane, John J., carpenter, 77 Exeter
Cullinane, John W., clerk, 126 Saratoga
Cullinane, Richard, architect, 46 Crosby
Cullington, Oswald J., inspector, 24 Boehm
Cunningham, George, clerk, 67 Ferry
Cunningham, James P., salesman, 131 Myrtle
Cummings, Joseph, mill operative, 198 Union
Curran, John, insurance agent, 299 Erving ave.
Curran, Charles E., overseer, 143 Parker
Curtin, Michael F., machinist, 2 Daisy
Curtis, William D., salesman, 374 Broadway

D

Daley, Maurice, Jr., plasterer, 243 Haverhill

Daly, David D., B. & M. R. R., laborer, 45 Atkinson
Daly, James A., woolsorter, 64 Dorchester
Dalton, James, engraver, 243 Water
Dalton, John J., woolsorter 16 Cambridge
Dane Stillman A., carriage painter, 25 Winthrop ave.
Davenport, Lawrence, florist, 58 Butler
Davey, Peter B., plumber, 300 Mt. Vernon
Davidson, James T., editor, 30 State
Davis, Alexander A., second hand, 12 Orchard
Davis, Franklin B., treasurer, 25 Dorchester
Davis, Robert C., woolsorter, 55 Fern
DeCelle, William, laborer, 192 West
Decker, Smith M., grocer, 274 Haverhill
Demars, Albert, grocer, 343 Lowell
Dempsey, Patrick C., operative, 217 Park
Dempsey, Patrick A., restaurateur, 104 Tremont
Derbyshire, James H., foreman, 45 Milton
Devlin, Edward, retired, 44 Oak
Devine, Edward A., mill operative, 240 Methuen
Dick, Hugo E., publisher, 129 Newbury
Dietzel, Fred William, plumber, 17 Kress
Dimlich, Theodore W., painter, 300 High
Dimmock, Read A., merchant, 12 Albion
Dineen, Peter, woolsorter, 7 Clinton court
Dixon, John J., carpenter, 98 Bromfield
Dodson, George W., plumber, 24 Belmont
Doherty, Andrew P., ironmoulder, 62 Avon
Dolan, Frank A., operative, 136 Jackson
Dolan, William, tobacconist, 40 Eutaw
Dolan, Edward A., clerk, 136 Jackson
Domingue, Arthur, mill operative, 38 Holly
Domingue, George, insurance agent, 17 Bedford
Donigan, Bernard E., insurance, 19 Lea
Donahue, George J., piper, 72 Myrtle

Donahue, Peter A., mill operative, 20 Portland
Donahue, William H., shoemaker, 31 Brookfield
Donovan, Charles A., teamster, 19 Bennington
Donovan, Timothy F., moulder, 436 Haverhill
Donovan, Jeremiah, fireman, 54 Trenton
Donovan, Jeremiah J., switchman, 39 Falmouth
Doody, John J., manager, 68 Eutaw
Dooley, Joseph L., clerk, 25 Green
Dooley, George V., laborer, 161 Bailey
Doucet, George C., painter, 101 Concord
Donohue, Timothy P., insurance agent, 48 Coolidge
Dorgan, John, retired, 3 Trenton
Doyle, Daniel W., barber, 64 Milton
Doyle, James P. J., clerk, 95 Bennington
Doyle, Michael T., clerk, 74 Park
Doyle, William L., clerk, 84 Avon
Dreisel, Robert, woodworker, 49 Exchange
Driscoll, Patrick F., mason, 80 Kingston
Drummond, Andrew Z., loomfixer, 43 Pleasant
Drummond, William H., motorman, 56 Farnham
Dube, Ernest, insurance agent, 35 Franklin
Duhamel, George A., salesman, 42 Tremont
Dunn, Michael, carpenter, 83 Cross
Durgin, Dennis F., stonecutter, 484 Andover
Dutton, Lyman M., machinist, 327 High
Dwyer, Robert J., merchant, 107 Lawrence
Dyer, Fred G., merchant, 501 Lowell
Dyer, Arthur W., merchant, 60 Bradford

E

Eastwood, Ambrose, carpenter, 24 Pleasant
Ebersbach, Emil, operative, 37 Storrow
Edmond, Joseph A., machinist, 600 Haverhill

Edmunds, Peter, carpenter, 156 Woodland
Emmert, Julius B., undertaker, 91 East Haverhill
Emmert, Max, butcher, 115 Allston
English, William A., mill operative, 89 Elm
Engstrand, Adolph F., janitor, 100 East Haverhill
Evans, John J., coal dealer, 97 Railroad
Ewald, John, coal dealer, 77 Howard
Ewart, James B., real estate agent, 560 Andover

F

Fallon, Thomas F., brass founder, 135 So. Broadway
Fallon, Harry J., foreman, 29 Brookfield
Farly, George, overseer, 74 Trenton
Farnham, Frank, electric light trimmer, 54 Essex
Farrell, William, merchant, 248 Oak
Fellows, Samuel W., merchant, 66 Eutaw
Fennell, William H., clerk, 102 Jackson
Ferguson, Ronald J., coal dealer, 29 Orchard
Fessenden, Edmund M., piano dealer, 5 Logan
Fischer, Paul F., clerk, 8 Jordan ave.
Fitzmaurice, Michael, teamster, 383 Hampshire
Fitzpatrick, Daniel C., carpenter, 283 High
Flanagan, James, carpenter, 186 East Haverhill
Flathers, Fred, machinist, 22 Spruce
Fleming, John, merchant, 185 Lawrence
Fleming, William P., merchant, 106 Willow
Fleming, John D., clerk, 106 Willow
Flynn, James P., woolsorter, 29 Whitman
Flynn, Joseph J., bill poster, 134 Prospect
Flynn, Michael C., papermaker, 46 Marston
Flynn, Michael J., insurance agent, 69 Beacon
Flynn, Patrick, driver, 17 Stafford
Flynn, William J., teamster, 73 Knox

Forbes, William H., plumber, 3 Logan
Forbes, James, clerk, 133 Howard
Ford, Frederick, clerk, 10 Elm
Ford, Roger, papermaker, 27 Summer
Forler, Frank, loomfixer, 12 Kendall
Fraser, John P., insurance agent, 18 Warren
French, Arthur W., carpenter, 8 Lea
Frost, Thomas P., merchant, 50 Eutaw
Frye, John F., painter, 36 Stearns ave.
Frye, Royal L., teamster, 130 East Haverhill
Fuller, Edward A., stable keeper, 57 Belmont
Fuller, George S., Vet. surgeon, 50 East Haverhill
Fuller, Mark I., plumber, 256 Broadway

G

Gabeler, William A., dentist, 153 Berkeley
Gage, George H., merchant, 162 East Haverhill
Gaines, Henry F., papermaker, 25 Bowdoin
Gallagher, William L., manager, 266 Broadway
Gaudlitz, Paul, section hand, 439 Hampshire
Gehring, Frederick, barber, 22 Park
Gelineau, George, clerk, 78 Cross
Gens, Julius, merchant, 167 Prospect
Gesing, Henry W., clerk, 39 Storrow
Gibbons, Andrew P., conductor, 16 Salem
Gibbons, James F., fireman, 148 Margin
Gillen, Michael, contractor, 232 Lawrence
Gilman, Edward F., electrician, 37 Wilmot
Glanzel, Bruno, shoedealer, 65 Kendall
Glover, William H., druggist, 296 Ames
Godfrey, William H., merchant, 277 Haverhill
Goodwin, Clarence M., clerk, 73 Mt. Vernon
Gormley, Owen B., operative, 6 Bunkerhill

Gould, Edward S., junk dealer, 58 Thorndike
Gowing, William W., wholesale beef merchant, 43 Jackson
Grandpre, Arthur, clerk, 26 Lowell
Grant, Sheridan U., collector, 91 Bailey
Green, John A., gas fitter, 10 Rowe
Green, John J., photographer, 140 Hancock
Greenwood, William, merchant, 82 Knox
Griffin, Anson L., retired, 49 Bellevue
Grimes, Elias E., piper, 146 East Haverhill
Grossman, Bernard, loomfixer, 161 High
Grunwald, Herman J., clerk, 8 Jordan ave.

H

Hadley, George H., merchant, 968 Essex
Hadley, Thomas F., barber, 188 Exchange
Hadley, Walter H., merchant, 968 Essex
Haigh, Robert T., woolsorter, 45 Cambridge
Hale, Richard A., engineer, 80 Salem
Hall, Dyer S., merchant, 100 Saunders
Haller, Bruno, clerk, 131 Exchange
Halley, Dennis E., salesman, 69 Middlebury
Halloran, Dennis A., mill operative, 448 Essex
Halloran, James H., foreman, 19 Bunkerhill
Hamel, Noah, teamster, 225 Carleton
Hancock, John H., poolroom keeper, 21 Fairmont
Hanrahan, John F., telegraph operator, 118 Allston
Harding, Frank E., mill operative, 123 West
Harkins, James Jr., mill operative, 15 Bennington
Harkins, Michael S., teamster, 109 Oxford
Harmon, Fred C., clerk, 55 Wilmot
Harrigan, Jeremiah T., real estate, 69 Fern
Hart, Eugene A., clerk, 10 Durham
Hart, William H., clerk, 40 Crosby

Hartig, Carl, clerk, 145 Union
Hayes, William F., real estate agent, 545 Essex
Heald, Herbert L., foreman, 12 Canton
Healey, Warren B., shoecutter, 111 Boxford
Helfrich, Philip J., merchant, 171 Haverhill
Hendry, William, overseer, 17 Essex ave.
Herkes, Joseph, barber, 162 Jackson
Hepworth, Joseph, fish dealer, 186 Spruce
Hey, George S., woolsorter, 66 Pleasant
Hey, Jesse, motorman, 270 Bailey
Hey, John S., woolsorter, 66 Pleasant
Hill, George H., mill operative, 139 Hancock
Hilton, Frederick A., clerk, 18 Morton
Hinckley, Ezra, barber, 14 Blakelin
Hiscox, Frank A., merchant, 459 Lowell
Hoar, Robert T., bricklayer, 176 Andover
Hoehn, Ernest H., machinst, 215 High
Hofmann, Alvin L., coal dealer, 242 Prospect
Hogan, George, caretaker, 78 Maple
Holt, Charles L., plumber, 257 Jackson
Holland, Walter F., mill operative, 208 Oak
Holihan, Joseph P., merchant, 56 Hampshire
Holloran, Fred H., operative, 175 Lawrence
Honohan, Thomas F., electrician, 119 Saratoga
Horne, Byron F., manufacturer, 33 Farnham
Horne, Herbert W., clerk, 36 Milton
Horrocks, Arthur A., conductor, 9 Lowell terrace
Houston, George, painter, 85 Trenton
Houston, John A., machinist, 502 Haverhill
Howard, Thomas M., teller, 9 Sheridan
Howarth, William, butcher, 51 Howarth
Howe, Fred W., machinist, 81 Cross
Hudson, Chester E., civil engineer, 158 Woodland
Hughes, Thomas J., switchman, 37 Bowdoin

Humphrey, Edward H., coal dealer, 89 East Haverhill
Hurley, Joseph A., salesman, 97 Bodwell
Hyland, James H., clerk, 155 Prospect
Hyde, James A., printer, 881 Essex

I

Ivers, William H., clerk, 297 Erving ave.

J

Jacob, Herman, painter, 202 Prospect
Jagger, Fred, clerk, 12 Carruther's place
James, J. Frank, real estate agent, 375 Broadway
Jaquith, William H., insurance agent, 20 Albion
Jenkins, Charles W., shipper, 16 Camden
Jobe, Alexander, steamfitter, 156 Oxford
Joubert, Joseph H., insurance agent, 7 Holly
Joplin, William A., boarding house keeper, 359 Essex
Joyce, John J., driver, 126 Garden
Judson, John W., woolsorter, 18 Kendall
Junkins, Charles E., blacksmith, 309 High

K

Kaatz, Otto, contractor, 27 Midland
Kaessman, Frederick G., bookkeeper, 70 Bennington
Kaessman, Charles, dresser, 46 Park
Kane, John L., operative, 12 Logan
Keating, Jeremiah A., grocer, 108 Amesbury
Keegan, Thomas A., mason, 246 Oak
Keleher, John J., operative, 3 Storrow
Kellet, Ephriam, printer, 44 Bellevue
Kellett, Walter, printer, 87 Lexington

Kelley, Albert B., druggist, 41 Milton
Kenefick, Owen A., photographer, 57 Jackson
Kennedy, Michael, laborer, 6 Ash
Kennedy, John J., operative, 7 Hall
Kenyon, Michael, clerk, 94 Greenwood
Kennedy, Daniel J., janitor, 444 Hampshire
Kennedy, Joseph F., salesman, 114 Walnut
Kester, William A., barber, 158 Newbury
Kiernan, Peter, crossing tender, 35 Emmett
Killourie, John D., insurance agent, 80 Spruce
King, William F., moulder, 134 Woodland
King, John T., mill operative, 12 Fulton
Kinsella, Celestine, insurance agent, 18 Graichen terrace
Kitchin, Charles H., cashier, 200 Essex
Kittredge, Gilbert H., salesman, 13 Lawrence
Klier, Fred, insurance agent, 5 Klier court
Knapp, Jerome G., architect, 53 Knox
Knorr, August Fred, physical instructor, 48 Exchange
Knowles, David B., jeweller, 23 Dartmouth
Knowles, William H., merchant, 581 Andover
Knuepfer, Reinhardt, merchant, 92 Berkeley
Koehler, Otto, clerk, 117 Howard
Koerner, Richard, clerk, 12 Kendall
Koerner, Oscar J. Jr., grocer, 18 Albion
Korb, Frederick W., retired, 240 Ferry
Korb, Emil, baker, 41 Avon
Korelitz, Simon, peddler, 1 Melvin
Kress, Hermann, carriage maker, 55 Woodland

L

Labonte, Anthony G., salesman, 110 Oxford
Lahey, John P., plumber, 6 Currier
Lambert, John B., laborer, 118 Brookfield

Lanigan, James F., Proprietor, 239 Andover
Lanigan, James F., Jr., clerk, 395 Prospect
Landers, Martin, woolsorter, 15 Walnut
Landers, William A., machinist, 78 Butler
Lawson, John W., mill operative, 305 Prospect
Laycock, Robert, overseer, 12 Summit avenue
Lee, Ashton, chemist, 242 Haverhill
Leach, Maurice, clerk, 524 Andover
Leck, George H., photographer, 37 Belmont
Lena, Henry, carpenter, 65 South Union
Lenane, Aloysious A., mill operative, 58 Dorchester
Lenane, Frank E., clerk, 65 Exeter
Leonard, James F., clothier, 5 Fulton
Lerned, Asa J., ice cream manufacturer, 181 East Haverhill
Leonard, Thomas F., music teacher, 343 Oak
Leupold, Robert, manufacturer, 68 Woodland
Lewis, E. Frank, manufacturer, 178 East Haverhill
Lewis, Harry L., clerk, 5 State
Libby, Alvra H., undertaker, 68 Newbury
Libbey, Fred M., superintendent, 8 Pleasant
Libbey, Freeman C., conductor, 15 Canton
Libbey, Patrick, tobacconist, 121 High
Lindner, Wesley B., engraver, 342 Prospect
Lister, James A., combmaker, 83 Arlington
Littlefield, Charles H., engineer, 73 Tremont
Littlefield, George M., clerk, 73 Tremont
Livermore, William D., chemist, 62 Thorndike
Livingstone, Walter R., assistant superintendent, 6 Haverhill
Locke, Langdon E., contractor, 401 Prospect
Loftus, James F., clerk, 87 Bailey
Long, James T., auctioneer, 12 Cypress
Lord, Fred, merchant, 86 Ames
Lovett, Joseph H., insurance agent, 71 Farnham
Luce, Roland, carpenter, 126 Cross

Lucy, Jeremiah, Jr., clerk, 38 Manchester
Lucy, Frank A., mill operative, 261 Oak
Lydon, Patrick J., clerk, 211 Essex
Lynch, Patrick J., merchant, 10 Howard
Lynch, Cornelius F., plumber, 25 Logan
Lynch John M., provision dealer, 18 Custer
Lyons, David, carpenter, 175 Bailey
Lyons, John I., harnessmaker, 63 Allston

M

Macartney, Robert J., merchant, 135 Berkeley
Mack, Harold W., papermaker, 10 Elm
Maffet, George L., car inspector, 281 So. Broadway
Magoon, David, merchant, 6 Green
Magoon, Nathan O., merchant, 34 Whitman
Maguire, Thomas J., merchant, 105 East Haverhill
Mahoney, Bartholomew, contractor, 89 Cross
Mahoney, Jeremiah, laborer, 218 Chestnut
Mahoney, John D., undertaker, 282 Oak
Mahoney, Maurice J., undertaker, 180 Hampshire
Mahoney, Maurice J., Jr., undertaker, 180 Hampshire
Mahoney, William J., plasterer, 161 Margin
Maloney, Robert S., printer, 155 Lawrence
Malley, Owen F., salesman, 582 Lowell
Maloney, Patrick, grocer, 90 Auburn
Malonzo, Charles W., clerk, 47 Jackson
Manahan, Ezra F., retired, 114 Cross
Mann, D. Fred, soapmaker, 47 High
Manson, William E., printer, 14 South
Marier, C. J. Arthur, musician, 14 Green
Martin, James, clerk, 29 Woodland
Marsden, George W., barber, 74 Berkeley
Marshman, William E., bookkeeper, 304 So. Union

Martel, Alfred, clerk, 25 Clinton court
Matthes, Frederick H., designer, 34 Wilmot
Matthes, Herman J., weaver, 73 Ferry
Matthes, Louis, tonic manufacturer, 35 Bennington
May, Samuel, meter taker, 62 Saratoga
McAllister, Ernest W., salesman, 71 Bradford
McAllister, William J., upholsterer, 61 Trenton
McAuliffe, Eugene F., undertaker, 51 Bromfield
McAuliffe, Jeremiah P., mill operative, 51 Bromfield
McAuliffe, Timothy, overseer, 259 Farnham
McAuley, George A., stamper, 6 Springfield
McCabe, Edward, Jr., boiler maker, 17 Margin
McCabe, Hugh, section hand, 38 Fulton
McCabe, John B., plumber, 38 Fulton
McCarthy, Arthur F., painter, 101 Spruce
McCarthy, Cornelius A., cashier, 1 Fulton
McCarthy, Daniel F., retired, 18 Avon
McCarthy, Daniel W., superintendent, 113 Haverhill
McCarthy, Florence, gasmaker, 90 Allston
McCarthy, John A., clerk, 18 Avon
McCarthy, Patrick, clerk, 563 Essex
McCarthy, William, merchant, 82 Sunset ave.
McCarthy, Frank, clerk, 184 Saratoga
McCormick, Alfred T., electrician, 68 Berkeley
McDade, Joseph H., insurance agent, 12 Clark
McDade, Andrew A., clerk, 84 Sunset ave.
McDermott, Joseph H., timekeeper, 12 Hampshire
McDonnell, Thomas F., overseer, 6 Chester
McElroy, James H., clerk, 94 Union
McElwain, John, retired, 335 Ames
McEneaney, Patrick N., jeweler, 97 Park
McEneaney, Thomas J., grocer, 11 Crescent
McEvoy, Patrick J., grocer, 624 Broadway
McGarry, John J., clerk, 100 Marston

McGeoch, Robert, operative, 9 Ohio ave.
McGrath, John, electrician, 22 Sargent
McGregor, Henry D., dresser, 37 Lake
McGurn, James, clerk, 68 Myrtle
McKenna, John J., machinist, 17 Erving ave.
McKallagat, Richard A., clerk, 157 So. Broadway
McLanathan, Frank W., treasurer, 7 Jackson court
McLaughlin, John J., merchant, 301 Salem
McManus, Louis P., clerk, 291 So. Broadway
McNulty, Thomas, piper, 8 Lexington
McQueeney, Frank W., salesman, 28 Wilmot
McQueeney, John F., messenger, 62 Avon
McQueston, William M., foreman, 34 Marston
Meier, Charles H., carpenter, 3 Hall
Meinelt, Charles, tailor, 315 Prospect
Meinelt, Charles E., sectionhand, 113 Howard
Meister, Adolph J., baker, 273 Prospect
Mellor, Samuel, overseer, 419 Lowell
Merrrow, Everett P., clerk, 154 Jackson
Metzner, Richard H., sectionhand, 121 Lexington
Meyer, Rudolph, musician, 136 Howard
Meyer, Reinhardt, music teacher, 228 Bruce
Michaud, George, baker, 228 Lowell
Millea, William H., tinsmith, 20 Custer
Miller, George H., ticket agent, 296 Essex
Miller, Oscar, baker, 14 Mechanic
Miller, Rudolph, butcher, 14 Rhine
Milligan, Alexander, woolsorter, 55 Allston
Millington, Herbert J., merchant, 23 Easton
Millington, John P., shuttlemaker, 66 Foster
Mitchell, James, clerk, 65 Methuen
Moeser, Louis, upholsterer, 411 High
Mooers, Samuel T., merchant, 68 Newbury
Morehouse, John D., grocer, 90 Saunders

Morgan, Charles A., motorman, 489 Essex
Morgan, Charles H., merchant, 98 Nesmith
Morgan, James, woolsorter, 43 Whitman
Morgan, Henry, painter, 551 Haverhill
Morin, Joseph F., grocer, 19 Cross
Morse, Charles H., driver, 95 Franklin
Morris, George A., blacksmith, 40 Milton
Morrison, William, machinist, 79 Bodwell
Morrisey, James, helper, 83 1-2 Cross
Morrison, Thomas A., operative, 47 Avon
Mosher, Joseph, painter, 42 Greenwood
Moynihan, John F., clerk, 323 So. Broadway
Moynihan, Michael J., piper, 39 Manchester
Muehlig, Emil J., grocer, 319 High
Mueller, Otto, druggist, 110 East Haverhill
Mulcahy, James A., plumber, 57 Walnut
Mulcahy, John, carpenter, 34 Exchange
Muldowney, James J., loomfixer, 8 Marston
Mullen, Thomas J., clerk, 42 Cross
Mulholland, John P., clerk, 393 Hampshire
Mulholland, Patrick, laborer, 393 Hampshire
Murray, Daniel F., bookkeeper, 7 Jackson terrace
Murray, Thomas F., mill operative, 461 Broadway
Murch, Charles H., merchant, 10 Morton
Murley, John, retired, 10 Lexington
Murphy, James J., gardner, 27 Willow
Murphy, John D., laborer, 92 Tremont
Murphy, Maurice A., real estate agent, 110 Saratoga
Murphy, Patrick J., grocer, 357 Chestnut
Murphy, Thomas F., dyer, 19 Chelmsford
Musk, Harry B., merchant, 229 Bruce
Mynzer, William C., clerk, 22 Brook

N

Nelb, Robert H., carpenter, 92 Salem
Nesbitt, Harry H., clerk, 71 Farnham
Nichols, George S., mill operative, 164 Saratoga
Noonan, William, operative, 92 Bromfield
Noonan, William P., printer, 51 Newton
Norris, Edward, mill operative, 10 Canton
Norris, Michael, plumber, 3 Prospect court
Norris, George, farmer, 24 Kendall
Nugent, Patrick S., printer, 83 Abbott
Nussbaum, Moses, clerk, 145 Jackson

O

O'Brien, Daniel F., machinist, 461 Haverhill
O'Brien, Frank J., boarding house keeper, 201 Essex
O'Brien, John A., bookkeeper, 124 Cross
O'Brien, John J., pin-setter, 10 Border
O'Connor, Frank J., laundryman, 106 Olive ave.
O'Connor, James F., printer, 32 Highland
O'Conner, Patrick J., clerk, 52 Exchange
O'Connor, Patrick, laborer, 69 Berkeley
O'Connor, Patrick T., 28 Highland
O'Connor, Robert E., mill operative, 514 Hampshire
O'Connell, Andrew J., bookkeeper, 59 Osgood
O'Connell, Barry T., insurance agent, 70 Belmont
O'Connell, David, mill operative, 10 Cedar
O'Donnell, Michael J., manager, 524 Haverhill
O'Hearn, Eugene L., salesman, 234 Haverhill
O'Hearn, Timothy F., lather, 234 Haverhill
O'Mahoney, Arthur A., clerk, 67 Cross
O'Mahoney, Daniel J., caretaker at filter, 31 Hobson
O'Neil, Dennis, operative, 235 Farnham

O'Neil, John E., merchant, 12 Grove
O'Neill, James, tailor, 56 Lexington
O'Neill, Timothy F., tailor, 14 Arlitt place
O'Reilly, William A., ticket agent, 85 White
O'Sullivan, Andrew M., insurance agent, 363 Chestnut
Orroth, Stephen, clerk, 29 West

P

Paisley, George G., clerk, 110 Auburn
Pallister, Fred J., carpenter, 122 Bradford
Palmer, William L., shoemaker, 70 Sargent
Patterson, John A., salesman, 215 Oak
Petzold, Carl R., carpenter, 107 Oxford
Petzold, Emil, grocer, 23 Thorndike
Petri, Jacob, boat builder, 412 High
Philbrick, Alfred A., machinist, 75 Warren
Pickels, Robert F., manufacturer, 5 Warren
Pierce, Charles, operative, 10 Grove
Plisch, Gustave, baker, 54 Mechanic
Poor, Abbott A., clerk, 55 Bradford
Poor, Eugene E., merchant, 463 Andover
Porst, Oswald, plumber, 329 High
Porter, Frank L., insurance agent, 8 Campo Seco
Porter, John S., stablekeeper, 33 Avon
Porter, George T., artist, 33 Avon
Potter, Albion E., clerk, 114 Bailey
Powell, John S., real estate agent, 48 Whitman
Powers, William B., woolsorter, 89 Bromfield
Praetz, George, operative, 199 Union
Price, Robert T., florist, 72 Ferry
Pringle, Charles G., merchant, 221 Bruce
Pringle, James, woolsorter, 35 Orchard
Proetz, John, salesman, 131 Haverhill

Q

Quinn, Frank J., clerk, 41 Avon
Quinn, Thomas J., insurance agent, 478 Haverhill

R

Rae, Robert J., gasmaker, 20 Marston
Ragan, John J., printer, 78 Cross
Ragot, Henry, jeweler, 40 Manchester
Randall, Frank W., hairdresser, 11 Phillips
Randall, John W., barber, 117 Foster
Randlett, Oran J., clerk, 33 Milton
Reardon, Joseph A., clerk, 196 West
Reed, George F., paymaster, 10 East Haverhill
Redfern, William E., marble dealer, 62 Manchester
Redmond, Martin J., janitor, 277 Elm
Regan, James J., baggage master, 15 Elizabeth
Regan, William F., florist, 122 Hampshire
Reifel, John, clerk, 60 Belmont
Remmes, Frank A., bookkeeper, 186 Salem
Renfrew, Alexander, operative, 7 Bailey
Reynolds, John H., carpenter, 29 Warren
Reynolds, John F., loomfixer, 3 Chardon
Richardson, Fred O., salesman, 33 Cedar
Rideout, Edgar S., bookkeeper, 34 Bellevue
Riley, Timothy M., clerk, 76 Valley
Riley, Cornelius F., retired, 147 Myrtle
Roberts, John F., teamster, 13 Pine
Roberts, Harold, salesman, 352 Haverhill
Robertson, Andrew G., musician, 134 Jackson
Robinson, Holmes B., confectioner, 32 Manchester
Robinson, Simon J., manager, 9 Tremont

Roby, Joseph W., operative, 339 Common
Rochfort, Matthew, merchant, 57 Spruce
Rolley, James L., confectioner, 442 Lowell
Roy, Alfred E., clerk, 106 Oxford
Roy, Hugh, machinist, 19 Lowell
Roy, John J., machinist, 57 Fern
Roy, Joseph A., salesman, 24 Cross
Rutter, William F., plumber, 167 East Haverhill
Rutherford, Joseph, bookkeeper, 334 Andover
Ryan, John J., undertaker, 210 Market
Ryan, John P., armorer, 34 Cross
Ryder, Henry, cabinetmaker, 25 Middlebury

S

Saalfrank, Adam H., operative, 44 Ferry
Sager, Nicholas A., watchman, 48 Washington
Sargent, James B., gasfitter, 168 East Haverhill
Saville, Henry W., clerk, 143 Ferry
Sayers, Thomas J., carpenter, 149 Saratoga
Sayers, Robert J., shipper, 44 Hillside ave.
Scanlon, Timothy A., clerk, 114 Elm
Scanlon, James E., linotype operator, 23 Crosby
Schaake, Albert A., tailor, 196 Bailey
Schmidt, Gustave A., jeweler, 27 Cornish
Schneider, Henry E., painter, 250 Prospect
Schneider, John, jeweler, 8 Elm
Schueler, Charles T., printer, 47 Berkeley
Schwartz, Franz H., engineer, 167 Ferry
Schwartzenberg, Max, loomfixer, 46 Haverhill
Schwartzenberg, Carl, section hand, 12 Oakwood ave.
Schwarzenberg, Frederick W., clerk, 424 High
Scott, Dana W., clerk, 71 Bodwell
Seed, Thomas C., tailor, 39 Medford

Seldon, George L., assistant superintendent, 8 Jackson court
Sellers, Thomas, operative, 105 Myrtle
Shea, John, merchant, 122 Prospect
Shea, William A., clerk, 80 Coolidge
Sheedy, William F., grocer, 37 Short
Sheehan, David A., clerk, 81 Tremont
Sheehan, Francis P., bookkeeper, 113 Spruce
Sherman, Augustus B., merchant, 79 Warren
Shine, Joseph A., clerk, 215 Elm
Sidley, John S., Jr., machinist, 93 Bodwell
Simpson, Harry, tailor, 151 West
Simpson, James E., clerk, 163 Haverhill
Sirois, George A., ad. agent, 510 Haverhill
Slaughter, Thomas, painter, 5 Grove
Smith, Daniel C., manager, 30 Highlawn ave.
Smith, Frank, carpenter, 36 Hudson avenue
Smith, James A., insurance agent, 47 Ames
Snow, Frank E., carriage maker, 20 Canterbury
Spaulding, Fred O., reporter, 28 Bradford
Spitzberg, Davis, barber, 281 Park
Spurr, Amos M., merchant, 521 Andover
Stahl, Rudolph M., jeweler, 33 Bennington
Stachelhaus, Gustave A., tobacconist, 8 Thorndike
Stanchfield, Holman J., merchant, 91 Concord
Stansfield, George T., clerk, 65 Berkeley
Stanley, George A., manager, 90 Nesmith
Steinert, Otto, contractor, 288 High
Stuart, Matthew, merchant, 40 Vine
Stowell, S. Austin, 110 Butler
Sugatt, Richard H., merchant, 101 Knox
Sugden, Lawrence, engraver, 22 Daisy
Sullivan, Dennis, hatter, 98 Bradford
Sullivan Michael J., merchant, 183 Parker
Sullivan, Thomas L., clerk, 18 Winthrop ave.

Sullivan, William, merchant, 160 So. Broadway
Sutcliffe, Henry P., musician, 125 Howard
Sutherland, Andrew B., merchant, 276 Andover
Swan, Herbert L., florist, 272 Jackson
Sweatt, Greenleaf, mason, 55 Newbury
Sweeney, Peter M., real estate, 151 Garden
Swindells, William S., steamfitter, 25 Byron ave.

T

Tatham, John W., gasfitter, 46 Willow
Taylor, Wilbur L., teamster, 316 Andover
Teichert, Herman, decorator, 4 Belmont
Tetler, Nathaniel, file maker, 300 Ames
Theberge, Adelard D., teamster, 175 Lowell
Tillotson, Tom A., yarn shipper, 55 Buswell
Todd, John S., upholsterer, 306 So. Broadway
Tolman, Eugene F., merchant, 26 Dartmouth
Tongue, Henry, bookkeeper, 297 Jackson
Toomey, Patrick J., switchman, 60 Coolidge
Tosney, Joseph A., R. E. Agent, 120 Lowell
Towle, Herbert J., mill operative, 265 High
Towne, George W., Jr., retired, 46 Whitman
Townsend, Milton B., retired, 24 Smith
Trumbull, Albert F., contractor, 366 Lowell
Trumbull, Charles E., contractor, 114 Margin
Trumpold, Max E., publisher, 40 Park
Tucker, John A., clerk, 883 Essex
Turner, Frank S., combmaker, 63 Lowell
Twiss, Fred E., paymaster, 114 East Haverhill

U

Uller, John, teamster, 100 Midland

Ulrich, Herman O., merchant, 48 Brook
Underwood, Fred E., papermaker, 75 Methuen
Ungethuem, Carl, dentist, 52 Woodland

V

Valpey, Frank D., merchant, 25 Beacon
Vietor, Frederick M., salesman, 172 East Haverhill
Viger, Simeon, druggist, 8 Lenox

W

Wadsworth, George S., printing office, 219 Essex
Wagenbach, Jacob J., mason, 11 Birch
Wagenbach, William, mason, 193 Willow
Wagner, August, merchant, 24 Boehm
Wainwright, Frederick C., bookkeeper, 32 Dartmouth
Walker, Frank R., grocer, 264 Prospect
Walker, James R., manager, 266 Broadway
Walsh, Thomas A., merchant, 18 Cedar
Walsh, William A., plasterer, 142 Newbury
Walsh, Michael, Jr., helper, 329 Broadway
Warden, William O., clerk, 8 Fern
Wardrobe, George E., clerk, 19 Ridge road
Watts, J. Bentley, clerk, 10 East Haverhill
Webb, Thomas S., salesman, 609 Haverhill
Weber, Emil, gardner, 36 Fulton
Webster, Dean K., clerk, 19 Wyman
Webster, George C., provision dealer, 37 Orchard
Weeks, Benjamin L., merchant, 460 Lowell
Wegehenkel, William, operative, 50 Chestnut
Weigel, Gustave O., grocer, 192 Union
Welch, Thomas A., clerk, 85 So. Broadway
Weller, Ernest, operative, 464 High

Weltshe, Robert W., woolsorter, 177 Saratoga
Westby, Thomas, bookkeeper, 7 Berkeley
White, Eugene P., merchant, 364 Broadway
Wiemer, William, manager, 57 Knox
Williams, Clarence I., stable keeper, 87 Saunders
Williams, Frank S., stable keeper, 70 Saunders
Wilkinson, William, woolsorter, 75 Boxford
Winchester, John F., vet. surgeon, 39 East Haverhill
Wingate, Wilbur E., foreman, 444 Lowell
Wolf, Herman P., baker, 251 Ferry
Wood, William, overseer, 289 Jackson
Wood, John T., section hand, 118 Howard
Woodhall, Joseph A., machinist, 267 So. Broadway
Wurzbacher, Carl J., plumber, 14 Cornish

Y

Young, Bartholomew A., clerk, 80 Lexington
Younggebauer, Gus. A., butcher, 29 Pleasant
Young, John F., meter reader, 131 Woodland

Z

Zeuber, Charles, merchant, 50 Vine

Registrars of Voters
1910.

JOHN J. REGAN,
CHARLES A. SALISBURY,
LOUIS K. SEIGEL,
EDWARD J. WADE, Clerk.

THE AUDITOR'S
FIFTY-EIGHTH
ANNUAL REPORT
OF THE
CITY OF LAWRENCE, MASS.

FOR THE YEAR ENDING DECEMBER 31, 1910

Including Annual Report of the City Treasurer and Collector of Taxes
of Ordinary and Water Loan Accounts. Also a Schedule
of City Property.



LAWRENCE, MASS.
AMERICAN-SUN PRINT,
1910.

Auditor's Report

CITY OF LAWRENCE.

OFFICE OF AUDITOR OF ACCOUNTS.

April 1, 1911.

TO THE HONORABLE CITY COUNCIL OF THE CITY OF LAWRENCE.
GENTLEMEN:

The undersigned herewith presents the fifty-eighth annual report of the receipts and expenditures for the year ending December 31, 1910, classified under the headings of the several departments, with a statement of the city's indebtedness on the above date, and a schedule of city property as valued by the committees and heads of departments having charge thereof.

Respectfully submitted,

RICHARD J. SHEA, *Auditor.*

IN COMMON COUNCIL,

April 17, 1911.

Accepted.

RICHARD J. SHEA, *Clerk.*

IN BOARD OF ALDERMEN,

May 1, 1911.

Accepted without reading,

EDWARD J. WADE, *City Clerk.*

SUMMARY OF STANDING OF THE SEVERAL DEPARTMENT ACCOUNTS.

DEPARTMENTS	Overdraft 1909	Surplus Jan. 1, 1910	Appropriations 1910	Receipts and Transfers	Total	Expended	Unexpended	Overdrawn
Assessors',			4,500.00	10.00	4,510.00	6,572.27		2,062.27
Bridge,			5,000.00		5,000.00	3,525.28	1,474.72	
Central Bridge,		736.80			736.80		736.80	
Cemetery,		202.49		16,807.94	17,010.43	16,757.14		
City Clerk's,		2,329.91	1,800.00	5,478.65	9,608.56	6,458.99		
City Engineer's,			5,400.00		5,400.00	7,099.11		1,699.11
City Hall,			1,600.00	1,715.00	3,315.00	4,887.23		1,572.23
City Treasurer's,			5,000.00	2.00	5,002.00	8,530.20		3,528.20
Election,			6,000.00	4.00	6,004.00	8,656.15		2,652.15
Fire,			69,000.00	269.48	69,269.48	107,465.34		38,195.86
Fire Alarm,			1,800.00	348.36	2,148.36	5,206.16		3,057.80
Health,			48,500.00	2,999.92	51,499.92	81,054.75		29,554.83
Incidental,	163,181.38		12,000.00	559,910.68	408,729.30	156,454.59		
Lawrence L. I. S.			7,500.00	3,905.66	11,405.66	19,896.10		
Lighting,			40,000.00		40,000.00	58,010.03		8,490.44
Military,			1,200.00		1,200.00	1,152.24		
Park,			9,000.00	4,607.24	13,607.24	16,778.00	47.76	3,170.76
Park,			5,000.00		5,000.00	5,193.39		193.39
Moth Extermination,		800.00			800.00	800.00		
Crescent Park,				7,500.00	7,500.00	5,775.00	1,725.00	
Jail Playstead,					2,000.00	2,000.00		
Ward 1 Playground,		2,000.00			2,000.00	3,172.05	1,827.95	
Ward 6 Playground,		5,000.00			5,000.00		5,000.00	
John K. Tarbox Playground,				5,000.00	5,000.00			
Fauper,			45,000.00	16,474.74	61,474.74	86,961.73		25,486.99
Paving,			4,500.00	9.89	4,509.89	5,406.29		896.40
Police,			54,000.00	8,237.25	62,237.25	99,696.17		37,458.92
Public Library,			12,000.00	2,948.96	14,948.96	19,080.16		4,731.20
Public Property,			20,500.00	24,515.25	24,515.25	43,664.00		19,148.75
School,			176,000.00	2,413.46	178,413.46	289,913.41		111,489.95
Sewer,			19,500.00	9,512.20	29,012.20	43,209.97		14,197.77
Sewer, Ward 1,			10,000.00		10,000.00			
Carried forward	\$163,181.38	\$11,069.20	\$564,800.00	\$651,570.68	\$1,064,258.50	\$1,123,375.75	\$266,489.80	\$325,607.05

SUMMARY OF STANDING OF THE SEVERAL DEPARTMENT ACCOUNTS. (Continued)

DEPARTMENTS			Overdraft 1909	Surplus Jan. 1, 1910	Appropriations 1910	Receipts and Transfers	Total	Expended	Unexpended Overdrawn
Brought forward	\$163,181.38	\$11,069.20	\$564,800.00		\$651,570.68	\$1,064,258.50	\$1,123,375.75	\$266,489.80	\$325,697.05
Sidewalks.....			16,000.00		11,222.47	27,222.47	56,363.76		29,141.29
Street.....			78,000.00		18,755.77	96,755.77	177,276.16		80,520.39
State Aid.....					6,335.00	6,335.00	6,050.00	8,661.71	
Water Works.....		7,602.92			156,281.08	163,884.00	155,222.29	9,598.59	
Water Works, Loan of 1906..		9,398.59				9,598.59		2,662.64	
Ward 5 Engine House Loan.		37,711.52				37,711.52	35,048.88	3,895.13	
Mun. Hosp. for Tuberculosis.		16,085.07				33,678.22	29,783.10		
Merrimac St. Paving,		9,000.00			17,593.16	9,823.75	9,823.75	2,490.22	
Bloody Brook Culvert,		8,366.15			823.75	18,972.15	16,481.93	2,490.22	
Ward 5 Sewer Loan, 1910,...					10,006.00	71,266.14	44,953.17	26,312.97	
Paving Loan, 1910,					71,266.14	150,166.67	177,425.45		27,258.78
Paving Loan, 1906,	9.89				150,166.67	9.89	9.89		
Tax, National Bank,				5,785.48		5,785.48			
Tax, State,				91,960.00		91,960.00			
Tax, County,				89,160.18		89,160.18			
Tax, State Highway,				13.50		13.50			
Temporary Loans,									
Temp. Loan in Anticipation	215,000.00				1,100,000.00	1,315,000.00	965,000.00	350,000.00	
of Ord. Debt Loan, 1910...							100,000.00		
Cemetery Deposit F'd,	91,127.00				100,000.00	96,147.00		96,147.00	
Osgood St. Sewer Loan, 1907.	15.35				15.35	15.35			
Ward 1 Sewer Loan, 1908....	104.98				104.98	104.98			
Ord. Debt Loan, 1909	3,833.71				3,833.71	2,848.03	985.68		
Washington St. Extension ..	169.26				169.26	169.26			
Anti-Tuberculosis League, ..			5,000.00		5,000.00	5,000.00		84,055.12	
Ward 6 School,					93,701.30	93,701.30		2,131.09	
Public Imp. Loan, 1908,	2,131.09				2,131.09	2,131.09			462,527.51
									256,946.76
\$163,181.38	\$412,424.73	\$850,719.16	\$2,392,742.02	\$3,492,704.53	\$3,101,517.09	\$853,714.95	\$205,580.75		
*\$462,527.51 Total Overdraft. †\$256,946.76 Available Balance.									
\$205,580.75 Net Overdraft.									

SUMMARY OF STANDING OF THE SEVERAL DEPARTMENT ACCOUNTS. (Continued)

INTEREST DEPARTMENTS.	Surplus	Appropriations	Receipts and Transfers	Total	Expended	Unexpended	Overdrawn
	Jan. 1, 1910	1910					
Municipal Loan of 1894	260.00	10,480.00		10,740.00	10,620.00	120.00	
Municipal Loan of 1899	90.00			90.00	90.00		
Water Street Sewer Loan, ..		360.00		360.00	360.00		
Water Loan,	260.00		28,480.00	28,740.00	27,640.00	1,100.00	
Sewer Loan of 1897,		480.00		480.00	480.00		
Sewer Loan of Ward Six, ..		960.00		960.00	960.00		
Sewer Loan of 1900,		87.50		87.50	87.50		
Sewer Loan of 1898,		600.00		600.00	300.00	300.00	
Ordinary Debt Loan of 1902,	40.00	1,680.00		1,720.00	1,860.00		140.00
Ordinary Debt Loan of 1903,	61.25	770.00		770.00	1,015.00		245.00
Ordinary Debt Loan of 1904,	300.00	1,330.00		1,391.25	2,150.00		758.75
Ordinary Debt Loan of 1905,	140.00	4,000.00		4,300.00	4,000.00		
Ordinary Debt Loan of 1906,		2,400.00		2,540.00	2,440.00		
Ordinary Debt Loan of 1908,	320.00	5,800.00		5,400.00	3,220.00		
Ward Five School Loan 1900,		140.00		140.00	5,400.00		740.00
Ward Five School Loan 1901,		112.00		112.00	140.00		
New High School Loan 1898,	20.00	4,480.00		4,500.00	112.00	20.00	
New High School Loan 1899,		200.00		200.00	4,480.00		
School Loan of 1903,	60.00	4,200.00		4,260.00	200.00		
Public Library Loan of 1902,		126.00		126.00	3,380.00		
Street Loan of 1904,		300.00		300.00	126.00		
Water Tower Loan of 1905,		144.00		144.00	300.00		
Paving Loan of 1906,		840.00		840.00	144.00		
Carried forward	320.00	\$41,889.50	\$28,480.00	\$71,280.75	\$70,414.50	\$2,820.00	\$1,953.75

SUMMARY OF STANDING OF THE SEVERAL DEPARTMENT ACCOUNTS. (Continued)

INTEREST DEPARTMENTS.	Surplus Appropriations Jan. 1, 1910	Receipts and Transfers	Total	Expended	Unexpended Overdrawn
Brought forward \$	\$1,231.25	\$28,480.00	\$71,280.75	\$70,414.50	\$2,820.00
Fire Protection Loan of 1906,	20.00	\$41,889.50	1,780.00	1,780.00	\$1,953.75
Ward 6 Eng. H. Loan 1906		560.00	560.00	560.00	
Central Bridge Loan of 1906,	20.00	20.00	40.00	40.00	
Fall Bridge Loan of 1906, . .		308.00	308.00	308.00	
Union St. Bridge Loan 1907,		360.00	360.00	340.00	20.00
Central Fire Sta. Loan 1907,	930.00	1,260.00	2,190.00	1,190.00	1,000.00
Osgood St. Sewer Loan 1907*,	100.00	2,800.00	2,700.00	2,750.00	50.00
Ward 1, Sewer Loan 1908*,	80.00	760.00	680.00	740.00	60.00
Public Improv't Loan 1908*,	140.00	2,880.00	2,740.00	2,680.00	60.00
Fairmount Sewer Loan 1908,		760.00	760.00	760.00	
Ward 5 Eng. H. Loan 1908		1,800.00	1,800.00	1,800.00	
Tuberculosis Hos. Loan 1908*	280.00	784.00	504.00	280.00	224.00
Ordinary Debt Loan 1909* . .	720.00	2,016.00	1,296.00	1,368.00	72.00
Paving Loan of 1909*	2,082.50	6,397.00	4,514.50	4,445.00	69.50
Municipal Loan of 1909, . . .		3,440.00	3,440.00	2,944.00	496.00
Bloody Brook Cul. Loan 1909,		360.00	360.00	400.00	40.00
Temporary Loan Interest, . .		20,000.00			
		13,617.66	33,617.66	29,835.32	3,782.34
		Less overdrawn, chgd. to Temp.		Loan Acct. 2,175.75	
		Net Temporary Loan Balance,		1,606.59	
* \$3,722.50	\$2,201.25	\$42,097.66	\$128,930.91	\$122,634.82	\$6,296.09

*Overdraft 1909.

SUMMARY OF STANDING OF THE SEVERAL DEPARTMENT ACCOUNTS. (Continued)

REDEMPTION AND SINKING FUND DEPARTMENTS.	Surplus Appropriations Jan. 1, 1910	Receipts and Transfers	Total	Expended	Unexpended Overdrawn
Municipal Loan 1894,	4,491.69		4,491.69	4,491.69	
Water Street Sewer Loan,	3,000.00		3,000.00	3,000.00	
Sewer Loan, Ward Six, ..	1,500.00		1,500.00	1,500.00	
Sewer Loan of 1897,	1,500.00		1,500.00	1,500.00	
Sewer Loan of 1898,	3,000.00		3,000.00	3,000.00	
Sewer Loan of 1900,	2,500.00		2,500.00	2,500.00	
Sewer Loan of 1902,	5,000.00		5,000.00	5,000.00	
Ordinary Debt Loan 1902, ..	11,000.00		11,000.00	11,000.00	
Ordinary Debt Loan 1903, ..	9,500.00		9,500.00	9,500.00	
Ordinary Debt Loan 1904, ..	20,000.00		20,000.00	20,000.00	
Ordinary Debt Loan 1905, ..	10,000.00		10,000.00	10,000.00	
Ordinary Debt Loan 1906, ..	10,000.00		10,000.00	10,000.00	
Ordinary Debt Loan 1908, ..	15,000.00		15,000.00	15,000.00	
Ward 5 School Loan 1900, ..	4,000.00		4,000.00	4,000.00	
Ward 5 School Loan 1901, ..	1,400.00		1,400.00	1,400.00	
*New High Sch. Loan 1898, ..	8,000.00		8,000.00	8,000.00	
*New High Sch. Loan 1899, ..	5,000.00		5,000.00	5,000.00	
School Loan of 1903,	7,000.00		7,000.00	7,000.00	
The Library Loan of 1902, ..	1,400.00		1,400.00	1,400.00	
Street Loan of 1904,	1,500.00		1,500.00	1,500.00	
Water Tower Loan of 1905, ..	600.00		600.00	600.00	
*Fire Protection Loan 1906	2,000.00		2,000.00	2,000.00	
*Ward 6 Eng. H. Loan 1906, ..	2,000.00		2,000.00	2,000.00	
*Central Bridge Loan 1906, ..	1,000.00		1,000.00	1,000.00	
Paving Loan of 1906,	3,000.00		3,000.00	3,000.00	
Falls Bridge Loan 1906, ...	1,100.00		1,100.00	1,100.00	
Carried forward	\$134,491.69		\$134,491.69	134,491.69	

SUMMARY OF STANDING OF THE SEVERAL DEPARTMENT ACCOUNTS. (Continued)

REDEMPTION AND SINKING FUND DEPARTMENTS.	Surplus Appropriations Jan. 1, 1910	Receipts and Transfers	Total	Expended	Unexpended Overdrawn
Brought forward,	134,491.69		134,491.69	134,491.69	
Union St. Bridge Loan 1907	1,000.00		1,000.00	1,000.00	
Central Fire Sta. Loan 1907	3,500.00		3,500.00	3,500.00	
*Osgood St. Sewer Loan 1907	2,500.00		2,500.00	2,500.00	
Ward 1 Sewer Loan 1908, ..	1,000.00		1,000.00	1,000.00	
Public Improve't Loan 1908	8,000.00		8,000.00	8,000.00	
Fairmont Sewer Loan 1908	1,000.00		1,000.00	1,000.00	
Ward 5 Eng. H. Loan 1908, ..	5,000.00		5,000.00	5,000.00	
Tuberculosis Hos. Loan 1908	1,400.00		1,400.00	1,400.00	
Ordinary Debt. Loan 1909, ..	3,600.00		3,600.00	3,600.00	
Paving Loan of 1909,	13,000.00		13,000.00	13,000.00	
Municipal Loan of 1909, ..	8,600.00		8,600.00	8,600.00	
Bloody Brook Cul. Loan 1909	1,000.00		1,000.00	1,000.00	
	184,091.69		\$184,091.69	\$184,091.69	
Overdraft 1910					
Ordinary Depts	\$163,181.38	\$2,392,742.02	\$3,492,704.53	\$3,101,517.09	\$853,714.95
				Available Balance,	256,946.76
				Net Overdraft,	205,580.75
Interest Depts.,	3,722.50	42,097.66	128,930.91	122,634.82	6,296.09
Redemption and Sinking Fund Depts.,			184,091.69	184,091.69	
	\$166,903.88	\$414,625.98	\$3,805,727.13	\$3,408,243.60	\$860,011.04
		\$1,123,165.35		Available Balance,	452,527.51
				Net Overdraft,	256,946.76
				Net Overdraft,	\$205,580.75

*Outside Debt Limit.

OVERDRAFT, JANUARY 1, 1911.

Departments,	Overdrafts Jan. 1, 1910	Available Balances
Assessors'	\$ 2,062.27	
Bridge		\$ 1,474.72
City Clerk's		3,149.57
City Engineer's	1,699.11	
City Hall	1,572.23	
City Treasurer's	3,528.20	
Election	2,652.15	
Fire	38,195.86	
Fire Alarm	3,057.80	
Health	29,554.83	
Incidental		252,274.71
Lawrence I. I. School	8,490.44	
Lighting	18,010.03	
Military		47.76
Park	3,170.76	
Moth Extermination	193.39	
Pauper	25,486.99	
Paving	896.40	
Paving Loan 1910	27,258.78	
Police	37,458.92	
Public Library	4,731.20	
Public Property	19,148.75	
School	111,499.95	
Sewer	14,212.40	
Sidewalk	29,126.66	
Street	80,520.39	
	<hr/>	<hr/>
	\$462,527.51	\$256,946.76
	256,946.76	
	<hr/>	
Net overdraft	\$205,580.75	

STATEMENT OF TAXES, YEAR ENDING 1910.

Uncollected taxes,		
January 1, 1910 ..	\$599,973.21	
Tax list of 1910 ...	\$1,113,905.79	
Bank tax of 1910 ...	7,886.88	
	<u>1,121,792.67</u>	
Bank tax, non resi-		
dents	5,643.12	
	<u>1,127,435.79</u>	
		\$1,727,409.00
Collected and paid		
into treasury on		
ordinary lists	\$1,050,400.29	
Bank tax collected in		
full	13,530.00	
Abatements, year		
1910	1,321.56	
	<u>\$1,065,251.85</u>	
Uncollected taxes, January 1, 1911 .		<u>\$ 662.157.15</u>

1910	Value	Tax
Corporations and machinery	\$20,422,600	\$ 334,930.64
Residents—Real and personal	40,091,675	657,503.47
Non-residents—Real and personal ...	4,450,825	72,993.53
Resident shareholders in national banks	480,907	7,886.88
Total value on regular list	\$65,446,007.00	
Total tax on regular list		\$1,073,314.52
Additional list	125,375.	2,056.15
Grand Total Value	\$65,571,382	
Grand Total Tax		\$1,075,370.67
23,211 polls at \$2.00 each		46,422.00
Total tax—Real, personal, bank and poll—1910		\$1,121,792.67
Bank tax of 1910 non-residents, col- lected for state		5,643.12
Grand Total		<u>\$1,127,435.79</u>

DEPARTMENT BALANCES.

There was unpaid on account of Mayor's drafts, January 1, 1910, on ordinary department accounts\$	97,288.06	
There was unpaid on account of Mayor's draft, January 1, 1910 on Water Works account	1,667.70	
		\$ 98,955.76
The amount allowed for payment during the year 1908, on ordinary accounts, including military aid (Chapter 468, Acts of 1909 and Chapter 447, Acts of 1890. Re- vised Statutes, Chapter 75.)		\$ 1,549,224.31
On Water Works maintenance and construction,	\$ 110,284.66	
On Water Loan Sinking fund	16,457.63	
On Water Loan interest trans- ferred to interest account	28,480.00	
		\$ 155,222.29
Amounts allowed:		
For interest (Ordinary)	\$ 95,004.82	
For interest (Water)	27,640.00	
For Sinking and Redemption fund (Ordinary)	184,091.69	
For State Aid	6,050.00	
For Temporary Loans	965,000.00	
For Temporary Loan in Antici- pation of Ordinary Debt Loan of 1910	100,000.00	
For Ordinary Debt Loan of 1909	2,848.03	
Carried forward	\$ 1,380,634.54	\$1,803,402.36

Brought forward	\$ 1,380,634.54	\$1,803,402.36
For Ward Five Engine House		
Loan of 1908	35,048.88	
For Municipal Hospital for Tu-		
berculosis Loan	29,783.10	
For Merrimac Street Paving ...	9,823.75	
For Bloody Brook Culvert Loan		
of 1909	16,481.93	
For Paving Loan of 1910	177,425.45	
For Ward Five Sewer Loan		
of 1910	44,953.17	
For Ward Six School Loan of		
1910	9,646.18	
		<u>\$1,703,797.00</u>
		<u><u>\$3,507,199.36</u></u>

Paid by Treasurer as per vouchers
duly examined and allowed by
the Committee on Accounts:

On ordinary department accounts during the year 1909, including military aid (Chapter 464 Acts of 1909 and Chapter 447, Acts of 1890), Revised Statutes, Chapter 75	\$1,568,505.86	\$1,568,505.86
On Water Works account, maintenance and construction	\$ 110,813.61	
On Water Loan Sinking fund account	16,457.63	
On Water Loan Interest account ..	27,640.00	
		\$ 154,911.24
On Interest Account (Ordinary) ..	95,552.32	
On Sinking and Red'n fund (Ordinary)	184,091.69	
On State Aid Account	6,050.00	
On Temporary Loans	965,000.00	
On Temporary Loan in Anticipation of O. D. L. of 1911	100,000.00	
On Ordinary Debt Loan of 1909 ..	2,848.03	
On Ward Five Engine House Loan of 1908	35,048.88	
On Municipal Hospital Loan of 1908	29,061.29	
On Merrimack Street Paving	9,823.75	
On Bloody Brook Culvert Loan of 1909	14,791.06	
On Paving Loan of 1909	18,600.35	
On Paving Loan of 1910	168,706.44	
Brought forward	\$1,629,574.81	\$1,723,417.10

Brought forward	\$1,629,574.81	\$1,723,417.10
On Ward Five Sewer Loan of 1910	35,565.09	
On Ward Six School Loan of 1910	9,646.18	
		\$1,674,786.08
Balance of approved bills, January		
1, 1911, ordinary account	107,017.43	
Balance of approved bills, January		
1, 1911, Water Works account	1,978.75	
		\$ 108,996.18
		<u>\$3,507,199.36</u>

STATEMENT OF CASH.

Cash balance in Treasury, January	
1, 1910	\$ 10,120.50
Ordinary department receipts	381,617.76
Taxes collected	1,050,400.29
National bank taxes collected in	
full	13,530.00
Temporary Loans	1,100,000.00
Temporary Loan in anticipation of	
Ordinary Debt Loan of 1910 ...	100,000.00
State Aid, reimbursed	6,335.00
Military Aid, reimbursed	504.50
Received from sale of Ward 5 Sewer	
Loan, Act of 1910, bonds ...	71,266.14
Carried forward,	\$2,733,774.19

Brought forward,	\$2,733,774.19	
Received from sale of Paving Loan		
Bonds of 1910	150,166.67	
Received from sale of Ordinary		
Debt Loan Bonds of 1910, over-		
draft of 1909	163,603.55	
Received from sale of Bonds, Ward		
Six school, Loan Act of 1910 ..	93,701.30	
Received from Corporation Tax..	199,260.16	
Received from sale of Bloody		
Brook Culvert note	1,000.00	
Received from Street Watering ..	12,751.76	
		<u>3,354,257.63</u>
Actual payments made from the		
Treasury on Ordinary accounts .	\$ 1,568,505.86	
On Interest account	95,552.32	
On Sinking and Redemption Fund		
account	184,091.69	
On State Aid account	6,050.00	
On Temporary Loans	965,000.00	
On Temporary Loan in anticipa-		
tion of O. D. Loan of 1910 ..	100,000.00	
On Ordinary Debt Loan of 1909	2,848.03	
On Ward Five Engine House		
Loan of 1908	35,048.88	
On Municipal Hospital Loan of		
1908	29,062.29	
On Merrimack Street Paving ..	9,823.75	
Carried forward	\$2,995,982.82	

Brought forward,	\$2,995,982.82
On Bloody Brook Culvert Loan	
of 1909	14,791.06
On Paving Loan of 1909	18,600.35
On Paving Loan of 1910	168,706.44
On Ward Five Sewer Loan of	
1910	35,565.09
On Ward Six School Loan of	
1910	9,646.18
Cash on hand, Dec, 31, 1910	110,965.69
	<hr/>
	\$3,354,257.63

STATEMENT OF CASH ON WATER WORKS
ACCOUNT.

Cash on hand, balance of unex- pended earnings of 1909	\$ 7,602.92
Cash on hand to pay bills audited and allowed to January 1, 1910.	1,667.70
Receipts from water rents, meters and service pipes	156,281.08
	<hr/>
	\$165,551.70

Actual payments made from the treasury as per vouchers, duly examined and allowed by the Committee on Accounts	\$154,911.24
Cash on hand to pay bills audited and allowed to January 1, 1911 .	1,978.75
Cash on hand, balance of unex- pended earnings of 1910	8,661.71
	<hr/>
	\$165,551.70

STATEMENT OF CASH ON WATER WORKS LOAN
OF 1906.

Unexpended balance January 1,		
1910	9,598.29	\$9,598.29

PAVING LOAN OF 1906.

Unexpended balance, January 1,		
1910	\$9.89	
		\$9.89

Actual Payments made from the treasury as per voucher, duly ex- amined by the Committee on Ac- counts	\$9.89	
		\$9.89

CENTRAL BRIDGE LOAN OF 1906.

Cash balance on hand, January 1,		
1910	\$736.80	
		\$736.80

Cash on hand, balance of unexpended Loan January 1, 1910 ..

\$15.35

\$15.35

Actual payments made from the treasury as per vouchers, duly examined and allowed for payment by the Committee on Accounts

\$15.35

\$15.35

Cash on hand, balance of unexpended Loan, January 1, 1910 .

\$104.98

\$104.98

Actual payments made from the treasury as per vouchers, duly examined and allowed for payment by the Committee on accounts _____

\$104.98

\$104.98

 LAWRENCE PUBLIC IMPROVEMENT LOAN OF 1908.

Cash on hand, balance of unex-
 pended Loan \$2,131.09

\$2,131.09

 WARD FIVE ENGINE HOUSE LOAN OF 1908

Cash on hand, balance of unex-
 pended Loan \$37,711.52

\$37,711.52

Payments

Actual payments made from the
 treasury as per vouchers, duly
 examined and allowed for pay-
 ment by the Committee on Ac-
 counts \$35,048.88

Cash on hand, balance of unex-
 pended Loan 2,662.64

\$37,711.52

TUBERCULOSIS HOSPITAL LOAN OF 1908.

Cash balance January 1, 1910 \$16085.07

Receipts

Received transfer from Anti Tuberculosis Commission Appropriation 5,000.00
 Received from care of patients ... 593.16
 Transfer from Incidental Fund O. C. G. 12,000.00

\$33,678.23

Payments

Actual payments made from the treasury as per vouchers, duly examined and allowed for payment by the Committee on Accounts \$29,783.10
 Cash on hand, balance of unexpended Loan 3,895.13

\$33,678.23

ORDINARY DEBT LOAN OF 1909.

Cash balance January 1, 1910	\$3,833.71	
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		\$3,833.71
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Payments

Actual payments made from the treasury as per vouchers, duly examined and allowed for payment by the Committee on Accounts	\$2,848.03	
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Cash on hand, balance of unexpended Loan	985.68	
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		\$3,833.71
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BLOODY BROOK CULVERT LOAN OF 1909.

Unexpended balance January 1, 1910	\$8,966.15	
Received from sale of notes	1,000.00	
Transferred from Incidental Dept.	9,000.00	
Refund on Pay Roll	6.00	

		\$18,972.15
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Payments

Actual payments made from the treasury as per vouchers, duly examined and allowed for payment by the Committee on Accounts	\$16,481.93	
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Cash on hand, balance of unexpended Loan	2,490.22	
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		\$18,972.15
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 PAVING LOAN OF 1910.

 Receipts

Received from sale of bonds	\$150,000.00
Interest	166.67
Incidental-Transfer to balance overdraft	27,258.78

 \$177,425.45

Payment.

Actual payments made from the treasury as per vouchers, duly examined and allowed for payment by the Committee on Accounts,	\$177,425.45
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 \$177,425.45

 WARD FIVE SEWER LOAN ACT OF 1910.

 Receipts.

Fernald, Geo. F. & Co.,	
Sale of Bonds,	\$70,000.00
Premium,	1,071.70
Interest,	194.44

 \$71,266.14

 Payments.

Actual payments made from the treasury as per voucher, duly examined and allowed for payment by the Committee on Accounts,	\$44,953.17	
Cash on hand, balance of Loan unexpended;	26,312.97	
	<hr/>	\$71,266.14
		=====

 WARD SIX SCHOOL LOAN ACT OF 1910.

 Receipts.

Harris, N. W. & Co.		
Sale of Bonds,	\$90,000.00	
Premium,	3,291.30	
Interest,	410.00	
	<hr/>	\$93,701.30
		=====

Payments.

Actual payments made from the treasury as per vouchers, duly examined and allowed for payment by the Committee on Accounts,	\$ 9,646.18	
Cash on hand, balance of unexpended Loan,	84,055.12	
	<hr/>	\$93,701.30
		=====

MUNICIPAL DEBT, JANUARY 1, 1910.

Debt in municipal bonds, January		
1, 1910,	\$262,000.00	
Approved bills, unpaid, January 1,		
1911,	107,017.43	
	<hr/>	
	369,017.43	
Funds held by Sinking Fund		
Trustees, ..	133,201.43	
Net debt, January 1, 1911	<hr/>	\$235,816.00

		Bonds Redeemed	
Water Street Sewer Loan, ..	9,000.00	3,000.00	6,000.00
Ward 6 Sewer Loan,	24,000.00	1,500.00	22,500.00
Sewer Loan of 1897.....	12,000.00	1,500.00	10,500.00
Ward 5 School Loan of 1900..	4,000.00	4,000.00	
Sewer Loan of 1900	2,500.00	2,500.00	
New High School Loan 1899..	5,000.00	5,000.00	
Sewer Loan of 1902	15,000.00	5,000.00	10,000.00
Ward 5 School Loan 1901....	2,800.00	1,400.00	1,400.00
Public Library Loan of 1902..	4,200.00	1,400.00	2,800.00
Ordinary Debt Loan 1902....	33,000.00	11,000.00	22,000.00
Ordinary Debt Loan 1903....	38,000.00	9,500.00	28,500.00
Ordinary Debt Loan 1904....	100,000.00	20,000.00	80,000.00
Ordinary Debt Loan 1905....	60,000.00	10,000.00	50,000.00
Ordinary Debt Loan 1906....	70,000.00	10,000.00	60,000.00
Ordinary Debt Loan 1908....	135,000.00	15,000.00	120,000.00
School Loan of 1903	105,000.00	7,000.00	98,000.00
Street Loan of 1904	7,500.00	1,500.00	6,000.00
Water Tower Loan 1905	3,600.00	600.00	3,000.00
Falls Bridge Loan 1906	7,700.00	1,100.00	6,600.00
Paving Loan 1906	21,000.00	3,000.00	18,000.00
Union St. Bridge Loan 1907..	9,000.00	1,000.00	8,000.00
Central Fire station Loan '07..	31,500.00	3,500.00	28,000.00
Carried forward		<hr/>	\$817,116.00

Brought forward, 817,116.00

MUNICIPAL DEBT.—(Continued.)

		Bonds Redeemed	
Ward 1 Sewer Loan 1908	19,000.00	1,000.00	18,000.00
Public Improvement Loan '8...	72,000.00	8,000.00	64,000.00
Fairmount Sewer Loan 1908 ..	19,000.00	1,000.00	18,000.00
Ward 5 Engine House Loan '08	45,000.00	5,000.00	40,000.00
Tuberculosis Hosp. Loan '08..	14,000.00	1,400.00	12,600.00
Ordinary Debt Loan 1909.....	36,000.00	3,600.00	32,400.00
Bloody Brook Loan 1909	10,000.00	1,000.00	9,000.00
Municipal Loan 1909	86,000.00	8,600.00	77,400.00
Paving Loan 1909	130,000.00	13,000.00	117,000.00
Paving Loan 1910	150,000.00		150,000.00
Ordinary Debt Loan 1910....	160,000.00		160,000.00
			<u>1,515,516.00</u>

OUTSIDE DEBT LIMIT:

Central Bridge Loan 1906	1,000.00	1,000.00	
Sewer Loan 1898	42,000.00	3,000.00	39,000.00
New High School Loan 1898..	112,000.00	8,000.00	104,000.00
Fire Protection Loan 1906....	44,000.00	2,000.00	42,000.00
Ward 6 Engine House Loan '06	14,000.00	2,000.00	12,000.00
Osgood St. Sewer Loan 1907..	70,000.00	2,500.00	67,500.00
Ward 5 Sewer Loan 1910	70,000.00		70,000.00
School Loan 1910	90,000.00		90,000.00
Carried forward			<u><u>\$1,940,016.00</u></u>

Brought forward	\$1,940,016.00
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WATER DEBT LOAN.

Debt in city bonds, January 1, 1911	\$712,000.00
Approved bills unpaid Jan. 1, 1911	1,978.75
	<hr/> \$713,978.75

Funds held by Commissioners,	\$73,322.55
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Uncollected water rates	
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January 1, 1911....	10,215.25
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	83,537.80
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Net Water debt, January 1, 1911..	<hr/> \$630,440.95
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	\$2,570,456.95
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ASSETS.

Cash on hand, January 1,	\$111,234.79
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Taxes	662,157.15
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Sewer	30,133.44
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Sidewalk	25,460.86
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State Aid	6,050.00
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Military Aid	513.00
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Cemetery	19,737.75
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Street Watering	8,318.17
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City Hall	695.00
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Health	2,531.52
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Park	333.86
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Pauper	12,979.77
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City Treasurer	1,245.25
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City Clerk	688.44
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Street	2,266.40
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	\$ 884,345.40
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Net Debt January 1, 1911	<hr/> \$1,686,111.55
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BORROWING CAPACITY, JANUARY, 1911.

Year.	Total Valuation	Abatements	Net Valuation
1908	56,556,583.00	115,500.00	56,441,083.00
1909	59,470,796.00	25,600.00	59,445,196.00
1910	65,571,382.00	74,850.00	65,496,532.00
	<u>\$181,598,761.00</u>	<u>\$215,950.00</u>	<u>\$181,382,811.00</u>
Net valuation, 1908, 1909, 1910			\$181,382,811.00
Average valuation three years,			60,460,937.00
2½ per cent on average valuation..			1,511,523.42
Outstanding notes and bonds (with-			
in limit)		\$2,253,700.00	
Less water debt		712,000.00	
		<u>\$1,541,700.00</u>	
Amount in Sinking Fund,		133,201.43	1,408,498.57
			<u>103,024.85</u>
Borrowing capacity Jan. 1, 1911..			
Borrowing capacity Jan. 1, 1910..		\$149,113.53	
Borrowing capacity Jan. 1, 1909..		201,313.80	

SUMMARY OF CITY DEBT, 1887—1910, INCLUSIVE.

Date	Ordinary Debt	Water Debt	Total
January 1, 1887.....	\$655,422.15	\$944,775.66	\$1,600,197.81
January 1, 1888.....	709,135.31	930,175.54	1,639,310.85
January 1, 1889.....	693,655.40	875,589.62	1,569,245.02
January 1, 1890.....	626,289.38	894,103.07	1,520,392.45
January 1, 1891.....	545,196.68	875,747.46	1,420,944.14
January 1, 1892.....	544,043.08	861,621.30	1,405,564.38
January 1, 1893.....	473,140.95	832,557.27	1,305,716.22
January 1, 1894.....	456,070.70	802,500.44	1,258,571.14
January 1, 1895.....	431,235.56	920,443.31	1,351,678.87
January 1, 1896.....	396,251.21	862,244.86	1,258,496.07
January 1, 1897.....	432,747.04	850,998.86	1,283,745.90
January 1, 1898.....	537,493.69	882,699.74	1,420,193.43
January 1, 1899.....	626,562.94	866,217.22	1,492,780.16
January 1, 1900.....	598,687.72	861,938.70	1,460,626.42
January 1, 1901.....	647,454.20	840,070.48	1,488,161.62
January 1, 1902.....	664,585.47	761,428.55	1,426,014.02
January 1, 1903.....	816,526.02	741,638.22	1,559,164.24
January 1, 1904.....	*845,391.38	734,513.49	1,579,904.87
January 1, 1905.....	*935,390.50	707,617.42	1,643,007.92
January 1, 1906.....	*945,343.37	683,347.53	1,628,690.90
January 1, 1907.....	*856,314.35	697,055.85	1,553,370.20
January 1, 1908.....	*704,698.25	684,466.31	1,389,164.56
January 1, 1909.....	*669,165.79	778,289.66	1,447,455.45
January 1, 1910.....	*942,591.11	648,487.81	1,591,078.92
January 1, 1911.....	*1,055,570.60	634,440.95	1,686,011.55

*\$100,000.00 Temporary Loan included.

*\$250,000.00 Temporary Loan included.

*\$100,000.00 Temporary Loan included.

*\$200,000.00 Temporary Loan included.

*\$250,000.00 Temporary Loan not included.

*\$100,000.00 Temporary Loan not included.

*\$215,000.00 Temporary Loan not included.

*\$250,000.00 Temporary Loan not included.

STATEMENT OF DEBT, JANUARY 1, 1911.

Description and Name of Loan.	Debt in Notes and Bonds Jan. 1, 1910	Annual Pay't.	Debt in Notes and Bonds Jan. 1, 1911	Approved Bills Unpaid	Total Debt.	Assets held by City Treas. and Comm.	Net Debt.
Municipal Loan 1894	\$262,000.00	\$4,491.69	\$262,000.00	\$107,917.43	\$369,917.43	\$133,201.43 (10,215.25)	\$235,816.00
Water Loan	712,000.00	16,457.63	712,000.00	1,978.75	713,978.75	(73,322.55)	630,440.95
Water St. Sewer Loan	9,000.00	3,000.00	6,000.00		6,000.00		6,000.00
Ward 6 Sewer Loan	24,000.00	1,500.00	22,500.00		22,500.00		22,500.00
Sewer Loan of 1897	12,000.00	1,500.00	10,500.00		10,500.00		10,500.00
Ward Five Sewer Loan	2,500.00	2,500.00					
Ward 5 School Loan of 1900....	4,000.00	4,000.00					
New High School Loan of 1899..	5,000.00	5,000.00					
Sewer Loan of 1902	15,000.00	5,000.00	10,000.00		10,000.00		10,000.00
Ward 5 School Loan of 1901	2,800.00	1,400.00	1,400.00		1,400.00		1,400.00
Public Library Loan of 1902	4,200.00	1,400.00	2,800.00		2,800.00		2,800.00
Ordinary Debt Loan of 1902	33,000.00	11,000.00	22,000.00		22,000.00		22,000.00
Ordinary Debt Loan of 1903	38,000.00	9,500.00	28,500.00		28,500.00		28,500.00
Ordinary Debt Loan of 1904	100,000.00	20,000.00	80,000.00		80,000.00		80,000.00
Ordinary Debt Loan of 1905	60,000.00	10,000.00	50,000.00		50,000.00		50,000.00
Ordinary Debt Loan of 1906	70,000.00	10,000.00	60,000.00		60,000.00		60,000.00
Ordinary Debt Loan of 1908	135,000.00	15,000.00	120,000.00		120,000.00		120,000.00
School Loan of 1903	105,000.00	7,000.00	98,000.00		98,000.00		98,000.00
Street Loan of 1904	7,500.00	1,500.00	6,000.00		6,000.00		6,000.00
Water Tower Loan of 1905	3,600.00	600.00	3,000.00		3,000.00		3,000.00
Falls Bridge Loan of 1906	7,700.00	1,100.00	6,600.00		6,600.00		6,600.00
Paving Loan of 1906	21,000.00	3,000.00	18,000.00		18,000.00		18,000.00
Union St. Bridge Loan of 1907...	9,000.00	1,000.00	8,000.00		8,000.00		8,000.00
Central Fire Station Loan 1907 ..	31,500.00	3,500.00	28,000.00		28,000.00		28,000.00
Ward 1 Sewer Loan of 1908	19,000.00	1,000.00	18,000.00		18,000.00		18,000.00

Description and Name of Loan.	Debt in Notes and Bonds Jan. 1, 1910	Annual Pay't.	Debt in Notes and Bonds Jan. 1, 1911	Approved Bills Unpaid	Total Debt.	Assets held by City Treas. and Comm.	Net Debt.
Brought forward	\$169,280.00	\$119,500.00	\$1,573,300.00	\$108,996.18	\$1,682,296.18	\$216,739.23	\$1,465,556.96
Public Improvement Loan 1907 ..	72,000.00	8,000.00	64,000.00		64,000.00		64,000.00
Fairmount Sewer Loan 1908	19,000.00	1,000.00	18,000.00		18,000.00		18,000.00
Ward 5 Engine House Loan 1908.	45,000.00	5,000.00	40,000.00		40,000.00		40,000.00
Tuberculosis Hosp. Loan 1908 ...	14,000.00	1,400.00	12,600.00		12,600.00		12,600.00
Ordinary Debt Loan 1909	36,000.00	3,600.00	32,400.00		32,400.00		32,400.00
Bloody Brook Loan of 1909	10,000.00	1,000.00	9,000.00		9,000.00		9,000.00
Municipal Loan of 1909	86,000.00	8,600.00	77,400.00		77,400.00		77,400.00
Paving Loan of 1909	130,000.00	13,000.00	117,000.00		117,000.00		117,000.00
Paving Loan of 1910	150,000.00		150,000.00		150,000.00		150,000.00
Ordinary Debt Loan 1910	160,000.00		160,000.00		160,000.00		160,000.00
Total,	\$2,414,800.00	\$161,100.00	\$2,253,700.00	\$108,996.18	\$2,362,696.18	\$216,739.23	\$2,145,956.95
Ordinary Assets						884,345.40	884,345.40
						\$1,101,084.63	\$1,261,611.55
Central Bridge Loan 1906	1,000.00	1,000.00					
Sewer Loan of 1898	42,000.00	3,000.00	39,000.00		39,000.00		39,000.00
New High School Loan 1898	112,000.00	8,000.00	104,000.00		104,000.00		104,000.00
Fire Protection Loan 1906	44,000.00	2,000.00	42,000.00		42,000.00		42,000.00
Ward 6 Engine House Loan 1906	14,000.00	2,000.00	12,000.00		12,000.00		12,000.00
Osgood St. Sewer Loan 1907	70,000.00	2,500.00	67,500.00		67,500.00		67,500.00
Ward 5 Sewer Loan 1910	70,000.00		70,000.00		70,000.00		70,000.00
School Loan of 1910	90,000.00		90,000.00		90,000.00		90,000.00
Grand Total,	\$2,857,800.00	\$179,600.00	\$2,678,200.00	\$108,996.18	\$2,787,196.18	\$1,101,084.63	\$1,686,111.55

TO THE CITY COUNCIL OF THE CITY OF LAWRENCE.

GENTLEMEN:—

I herewith present to you the account of the receipts and payments made at the City Treasury from January 1, 1910 to February 28, 1910, inclusive on account of Water Works Department.

Respectfully submitted,

WILLIAM N. HAMEL, *Treasurer.*

IN COMMON COUNCIL,
March 7, 1910.

Accepted,

RICHARD J. SHEA, *Clerk.*

IN BOARD OF ALDERMEN,
March 14, 1910.

Accepted in Concurrence.

CORNELIUS J. CORCORAN, *City Clerk.*

WATER WORKS DEPT.

CITY OF LAWRENCE IN ACCOUNT CURRENT FROM
WITH WILLIAM N. HAMEL
DR.

Sundry Persons—Cost of maintenance,	\$61,149.11
	<hr/>
	\$61,149.11
	<hr/> <hr/>

WATER WORKS DEPT.

JANUARY 1, 1910 TO FEBRUARY 28, 1910. INCLUSIVE
TREASURER AND COLLECTOR.

CR.

Cash balance, January 1, 1910,	\$25,532.92
Sundry Persons—Use of water, ..	30,596.73
Sundry Persons—Service Pipe and Meter,	1,811.96
Overdraft, Feb. 28, 1910,	3,207.50

\$61,149.11

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Report of City Treasurer

LAWRENCE, MASS., March 3, 1910.

TO THE CITY COUNCIL OF THE CITY OF LAWRENCE, MASS:
GENTLEMEN.

I herewith present to you the account of the receipts and payments, made at the City Treasury, from January 1, 1910 to February 28, 1910, inclusive, exclusive of receipts and payments made on account of Water Works Department, which are separately stated in the accompanying distinct report.

Respectfully submitted,

WILLIAM N. HAMEL,

.. *Treasurer.*

IN COMMON COUNCIL,

March 7, 1910.

Accepted.

RICHARD J. SHEA, *Clerk.*

IN BOARD OF ALDERMEN,

March 14, 1910.

Accepted in Concurrence.

CORNELIUS J. CORCORAN, *City Clerk.*

CITY OF LAWRENCE IN ACCOUNT CURRENT
WITH WILLIAM N. HAMEL

DR.

Payments made from City Treasury, account several departments, exclusive of Water Works.

Cash on hand December 31, 1909	
(Water Works,)	\$25,532.92
Assessors,	616.95
Bridge,	1,532.74
Cemetery,	2,021.24
City Clerk,	1,015.46
City Engineer,	1,046.65
City Hall,	1,196.28
City Treasurer,	1,484.63
Election,	1,039.80
Fire,	13,741.03
Fire Alarm,	609.53
Health,	13,161.51
Incidental,	12,529.04
Interest—Municipal Loan, 1894, ..	5,380.00
Ordinary Debt Loan, 1903, ..	481.25
Ordinary Debt Loan, 1905, ..	120.00
Ordinary Debt Loan, 1906, ..	460.00
New High School Loan, 1898, ..	2,220.00
School Loan, 1903,	2,040.00
Fire Protection Loan, 1906, ..	900.00
Temporary Loan,	14,982.08
Water Loan,	12,600.00
Water Loan, 1906,	1,160.00
Paving Loan, 1909,	122.50
Carried forward,	<u>\$115,993.61</u>

FROM JANUARY 1, 1910, TO FEBRUARY 28, 1910.

TREASURER AND COLLECTOR.

CR.

Cash paid into the City Treasury to the several departments,
exclusive of Water Works.

Cash balance, January 1, 1910,	\$10,120.50
Wm. Lord—Cemetery, collections, .	1,137.45
C. J. Corcoran—Cemetery, deeds, . .	565.00
Pauper Dept.—Cemetery, transfer,	45.00
Wm. Lord—Cemetery, Int. Perp.	
Care Fund,	3,520.94
C. J. Corcoran—City clerk, fees, . .	702.90
Wm. H. Merrow—City hall, collec-	
tions,	70.00
Dennis Shine—City hall, collections	495.00
Sullivan & O'Mahoney—City treas-	
urer, fees looking up back taxes	2.00
Health Dept.—Fire, transfer,	100.00
Street Dept.—Fire, transfer,	163.54
Police Dept.—Fire alarm, transfer,	300.00
D. J. O'Sullivan—Election, refund	
on Bill No. 117, Jan. Draft,	4.00
Roscoe Doble—Health, collections,	659.95
Boston & N. St. Ry.—Incidental,	
repairing So. Union and Water	
streets,	5,293.20
J. Hennessy—Incidental, refund,	
Labor Day appro.,	18.50
Arlington Nat. Bank—Incidental,	
balance on B. T. O'Connell's old	
account, . . . . .	.25

Amount carried forward, \$23,198.23

Amount brought forward, \$115,993.61

DR.

Union St. Bridge Loan, 1907, ..	180.00
Central Fire Sta. Loan, 1907, ..	630.00
Lighting,	9,363.37
Military,	230.63
Park,	3,230.16
Pauper,	13,856.68
Police	16,263.87
Public Library,	3,023.15
Public Property,	6,511.79
Bodwell Park,	5.99
School,	53,380.84
Sewer,	5,339.27
Sidewalk,	1,965.86
Street,	27,216.52
State Aid,	1,089.00
Temporary Loan,	175,000.00
Lawrence I. I. School,	3,690.12
Tuberculosis Hospital Loan, 1908, .	2,100.00
Moth Extermination,	8.12
Paving Loan, 1909,	18,600.35
Redemption Fund—Municipal Loan	
1894,	4,491.69
Union St. Bridge Loan, 1907, ..	1,000.00
Central Fire Sta. Loan, 1907, ..	3,500.00

\$466,671.02

Cash balance February 28, 1910, ..

\$108,197.63

\$574,868.65

Amount brought forward, \$23,198.23

CR.

E. Montrose Evans—Incidental, drug license,	1.00
Benj. Kaplan—Incidental, peddler's license,	25.00
John Winn—Incidental, red. tax title,	6.05
Maude Crossley—Incidental, red. tax title,	12.88
Wm. H. Dooley—Lawrence I. I. School, collections,	10.30
Wm. H. Dooley—Lawrence I. I. School, tuition,	222.50
Sundry Persons—Park, moth as- sessment,	7.25
Isaac Kelley—Park, collections, ..	3.30
Cities and Towns—Pauper, aid furnished,	474.33
J. J. Stanley—Pauper, collections, .	189.60
Com. of Mass.—Pauper, support of sick paupers,	716.41
Com. of Mass.—Pauper, temporary aid,	8.00
Com. of Mass.—Pauper, State Board of Charity,	1,077.24
Chas. A. Stillings—Police, H. of C. fines,	187.00
Wm. F. Moyes—Police, police court fines,	1,191.00
Amount carried forward,	<hr/> \$27,330.09

DR.

Amount brought forward

\$574,868.65

Amount carried forward

\$574,868.65

Amount brought forward, \$27,330.09

CR.

Richard H. Fox—Police, refund on pay roll No. 48,	19.25
County of Essex—Police, rent of police court, 1907,	550.00
County of Essex—Police, rent of police court, 1908,	550.00
County of Essex—Public library, rebate dog tax,	933.44
Lawrence I. I. School—Public library, transfer,	27.39
School Loan Int. 1903—Public library, Pacific Mill Fund,	100.00
P. J. Hennessey—Public property, collections,	15.00
Wm. H. Lesure—Public property, refund on Bill No. 10,362,	2.00
Frank M. Andrew—Public property refund on Bill No. 8547,	67.50
B. M. Sheridan—School, tuition,..	115.00
B. M. Sheridan—School, over pay- ment on pay roll No. 52,	7.50
Sundry Persons—Sewer, assess- ments,	1,550.65
Sundry Persons—Sidewalk, assess- ments,	1,813.22
Sundry Persons—Street, sprinkling,	881.26
P. J. Lyons—Street, refund on October draft,	50.00

Amount carried forward, \$34,012.30

DR.

Amount brought forward

\$574,868.65

\$574,868.65

Amount brought forward, \$34,012.30

CR.

P. J. Lyons—Street, collections, ..	25.00	
F. S. Mossley & Co.—Temporary loan, city notes,	250,000.00	
Geo. Mixter—Temporary loan, city notes,	100,000.00	
Estabrook & Co.—Temporary loan, city notes,	100,000.00	
Pacific Nat. Bank—Interest, interest on deposit,	92.18	
Eliot Nat. Bank—Interest, interest on deposit,	183.37	
Sundry Persons—Interest, interest on taxes,	1,538.09	
F. S. Mossley & Co.—Interest interest on temporary loan,	3.25	
Geo. Mixter—Interest, interest on temporary loan, .....	.75	
Estabrook & Co.—Interest, interest on temporary loan,	2.50	
Sundry Persons—Taxes, assessments,	62,738.71	
Municipal Loan S. Fund—Bloody B. Culvert loan '09, note No. 10,	1,000.00	
Water Works Dept.—Water loan, Int., transfer,	28,480.00	
		\$578,076.15
Overdraft, Water Works,		3,207.50
		<u>\$574,868.65</u>
		=====

March 27, 1911.

TO THE CITY COUNCIL OF THE CITY OF LAWRENCE, MASS:

GENTLEMEN:—

I herewith present a separate report of the receipts and payments, made at the City Treasury, from March 1, 1910, to December 31, 1910, inclusive, exclusive of receipts and payments made on account of Water Works Department, which are separately stated in the accompanying distinct report.

Respectfully submitted,

WILLIAM A. KELLEHER, *City Treasurer.*

IN COMMON COUNCIL,

April 3, 1911.

Accepted in concurrence.

RICHARD J. SHEA, *Clerk.*

IN BOARD OF ALDERMEN,

March 27, 1911.

Accepted without reading.

EDWARD J. WADE, *City Clerk.*

CITY OF LAWRENCE IN ACCOUNT CURRENT
WITH WILLIAM A. KELLEHER, CITY
DR.

Payments made from City Treasury account several departments,
exclusive of Water Works.

Assessors,	\$ 5,976.32
Bridge,	2,757.80
Cemetery,	15,056.67
City Clerk,	5,467.82
City Engineer,	6,068.56
City Hall,	3,832.58
Treasurer,	7,039.70
Election,	7,461.64
Fire,	93,832.29
Fire Alarm,	4,474.63
Health,	66,885.33
Incidental,	143,728.80
Law. I. I. School,	16,182.20
Lighting,	48,413.55
Military,	993.98
Park,	15,059.35
Pauper,	70,599.56
Paving,	5,406.29
Police,	83,282.62
Public Library,	16,062.65
Public Property,	38,062.44
School,	235,319.92
Sewer,	38,238.54
Sidewalk,	54,020.10
Street,	143,822.04

\$1,128,045.38

FROM MARCH 1, 1910 TO DECEMBER 31, 1910.
TREASURER AND COLLECTOR.

CR.

Cash paid into the City Treasury to the several departments,
exclusive of Water Works.

Balance from February 28, 1910, ..	\$108,197.63
Pay Roll, No. 20—Assessors, over- drawn	10.00
Wm. Lord,—Cemetery, collections,	8,144.50
C. J. Corcoran—Cemetery, deeds, ..	2,505.50
E. J. Wade—Cemetery, deeds,	841.00
Pauper Dept.—Cemetery, transfer, ..	44.00
Street Dept.—Cemetery, transfer, ..	4.55
Sundry Persons—Cem. Imp. De- posit Fund, perpetual care,	5,020.00
C. J. Corcoran—City clerk, fees, ..	3,267.45
E. J. Wade—City clerk, fees,	1,508.30
Dennis Shine—City hall, collections	1,150.00
James A. Hamilton—Fire, collec- tions,	5.94
James A. Hamilton—Fire alarm, collections,	10.00
Essex Co. Truant School—Fire alarm, new alarm box,	38.36
Roscoe Doble—Health, collections,	2,111.63
Commonwealth of Mass.—Health contagious diseases	228.34
Curran & Joyce—Incidental, liquor license,	417.85
Amount carried forward,	\$133,505.05

Amount brought forward, \$1,128,045.38

DR.

State Aid,	4,991.00
Nat. Bank Tax,	5,785.48
State Tax,	91,960.00
County Tax,	89,160.18
State Highway Tax,	13.50
Temporary Loan,	790,000.00
Moth Extermination,	5,186.80
Tuberculosis Hospital Loan, 1908,	21,720.77
Merr. St. Paving Loan,	9,823.75
Paving Loan, 1910,	168,706.44
So. Side P. S. and Play grounds, ..	3,172.05
Jail Playstead,	5,775.00
Washington St. Extension,	169.26
Temp. Loan in anticipation of Ord.	
City Debt Loan of 1910,	100,000.00
Central Bridge Loan, 1908,	20.00
Anti-Tub. League,	5,000.00
Municipal Loan, 1899,	90.00
Ward 6 School Loan, 1910,	9,646.18
Tuber. Hospital,	5,241.52
Paving Loan, 1906,	9.89
Ward 1 Sewer Loan, 1908,	104.98
Osgood Street Sewer Loan, 1907,..	15.35
Ward One Playstead,	850.00
Ord. Debt Loan, 1908,	2,848.03
Ward 5 Engine House, 1908,	35,851.56
Ward 5 Sewer Loan, 1910,	35,565.09
Crescent Park,	547.00
Poor Farm Laundry,	1,832.18

\$2,522,131.39

Amount brought forward, \$133,505.05

CR.

Commonwealth of Mass.—Incidental, corporation tax,	569.08
Sam Orenstein—Incidental, peddler's license,	25.00
Samuel Sareff—Incidental, peddler's license,	25.00
Sundry Persons—Incidental, liquor licenses,	180,300.00
Sundry Persons—Incidental, liquor licenses,	38.00
James P. Flynn—Incidental, sale of land, Washington St. extension, October, 1909,	500.00
Sundry Persons—Incidental, liquor license,	3.00
J. V. Brogan—Incidental, fees, ...	697.52
J. V. Brogan—Incidental, fees, ...	44.05
Commonwealth of Mass.—Incidental, National Bank tax	1,220.17
Commonwealth of Mass.—Incidental, Military Aid,	504.50
Commonwealth of Mass.—Incidental, burial indigent pauper,	370.00
Sundry Persons—Incidental, insurance on Old High school,	7,500.00
Central Bridge Loan, 1906—Incidental, transfer,	20.00
	<hr/>
	\$325,321.37

Amount brought forward, \$2,522,131.39

DR.

Bloody Brook Culv. Loan, 1909, ..	14,791.06
Ward One Sewer,	11,403.65
Water Street Sewer Loan,	3,000.00
Ward 6 Sewer Loan,	1,500.00
Sewer Loan, 1897,	1,500.00
Sewer Loan, 1898,	3,000.00
Sewer Loan, 1900,	2,500.00
Sewer Loan, 1902,	5,000.00
Ordinary Debt. Loan, 1902,	11,000.00
Ordinary Debt Loan 1903,	9,500.00
Ordinary Debt Loan, 1904,	20,000.00
Ordinary Debt Loan, 1905,	10,000.00
Ordinary Debt Loan, 1906,	8,000.00
Ward 5 School Loan, 1900,	4,000.00
Ward 5 School Loan, 1901,	1,400.00
New High School Loan, 1898,	8,000.00
New High School Loan, 1899,	5,000.00
School Loan, 1903,	7,000.00
Public Library Loan, 1902,	1,400.00
Street Imp. Loan, 1904,	1,500.00
Water Tower Loan, 1905,	600.00
Falls Bridge Loan, 1906,	1,100.00
Fire Protection Loan, 1906,	2,000.00
Paving Loan, 1906,	3,000.00
Ward 6 Engine House Loan, 1906,	2,000.00
Tuber. Hospital Loan, 1908,	1,400.00
Central Bridge Loan, 1906,	1,000.00
Ordinary City Debt Loan, 1909, ..	3,600.00
Paving Loan, 1909,	13,000.00

\$2,679,326.10

Amount brought forward, \$325,321.37

CR.

Peter Klein—Incidental, pedler's license,	25.00
Commonwealth of Mass.—Incidental, corporation tax,	198,691.08
Sundry Persons—Interest, interest on taxes,	8,860.66
Pacific Nat. Bank—Interest, interest on deposit,	2,941.73
Eliot Nat. Bank—Interest, interest on deposit,	173.77
F. O. Moseley—Interest, premium on city notes,	1.35
Blake Bros. & Co.—Interest, premium on Temp. Loan, .....	.80
Loring Toleman & Tupper—Interest, premium on Temp. Loan, ..	.25
Municipal Loan of 1899—Interest, transfer,	90.00
W. H. Dooley—Law. I. I. School, collections,	3,672.86
Sundry Persons—Moth extermination, collections,	86.65
Moth Extermination—Park, transfer,	1,761.24
Paving Loan of 1910—Park, transfer,	2,600.00
Crescent Park—Park, transfer, ...	114.80
	<hr/>
	\$544,341.56

Amount brought forward, \$2,679,326.10

DR.

Public Improvement Loan, 1908, ..	8,000.00
Ward 1 Sewer Loan, 1908,	1,000.00
Osgood St. Sewer Loan, 1907, ...	2,500.00
Ordinary Debt Loan, 1908,	15,000.00
Bloody Brook Culv. Loan, 1909, ..	1,000.00
Ward 5 Eng. House Loan, 1908, ..	5,000.00
Municipal Loan, 1909,	8,600.00
Municipal Loan, 1894,	5,240.00
Fairmount St. Sewer Loan, 1908, ..	1,000.00
Water St. Sewer Loan,	40.00
Ward 6 Sewer Loan,	960.00
Sewer Loan, 1897,	480.00
Sewer Loan, 1898,	1,620.00
Sewer Loan, 1900,	1,387.50
Sewer Loan, 1902,	500.00
Ordinary City Debt Loan, 1902, ..	1,015.00
Ordinary City Debt Loan, 1903, ..	848.75
Ordinary City Debt Loan, 1904, ..	2,100.00
Ordinary City Debt Loan, 1905, ..	2,320.00
Ordinary City Debt Loan, 1906, ..	2,220.00
Ordinary City Debt Loan, 1908, ..	5,400.00
Ordinary City Debt Loan, 1906, ..	560.00
Paving Loan, 1909,	87.50
Ward 5 School Loan, 1900,	140.00
Ward 5 School Loan, 1901,	112.00
New High School Loan, 1898, ...	2,260.00
New High School Loan, 1899, ...	200.00
School Loan, 1903,	2,160.00
Public Library Loan, 1902,	126.00

\$3,751,202.85

Amount brought forward, \$544,341.56

CR.

Trav. Ins. Co.—Park, accident insurance,	34.00
Cities and Towns—Pauper, aid furnished,	1,515.69
J. J. Stanley—Pauper, collections,..	1,641.17
Commonwealth of Mass.—Pauper, support of sick pauper,	1,087.02
Commonwealth of Mass.—Pauper, temporary aid,	3,655.34
Commonwealth of Mass.—Pauper, burial of pauper,	1,022.00
Police Dept.—Pauper, transfer, ...	21.73
Health Dept.—Pauper, transfer, ..	41.13
Tuberculosis Hospital — Pauper, transfer,	25.08
Paving Loan, 1906—Paving, transfer,	9.89
C. A. Stillings—Police, fines at H. of C.,	422.00
Jesse Brown—Police, fines at H. of C.,	221.00
W. F. Moyes—Police, police court Fines,	4,522.00
R. H. Fox—Police, collections, ...	25.00
Essex County—Police, rent of police station,	550.00
School Loan, 1903—Public library, interest on Pacific Mill Fund, ..	100.00
Public Library Trustees—Public library, purchase of books,	1,000.00
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	\$560,234.61

Amount brought forward, \$2,751,202.85

DR.

Street Improvement Loan, 1904, ..	300.00
Water Tower Loan, 1905,	144.00
Falls Bridge Loan, 1906,	308.00
Fire Protection Loan, 1906,	880.00
Paving Loan, 1906,	840.00
Ward 6 Eng. House Loan, 1906, ..	560.00
Temporary Loan,	14,853.44
Water Loan,	13,880.00
Central Bridge Loan, 1906,	20.00
Ward 5 Eng. House Loan, 1908, ..	1,811.25
Paving Loan of 1909,	4,392.50
Ward 1 Sewer Loan, 1908,	740.00
Tuber. Hospital Loan, 1908,	280.00
Municipal Loan, 1909,	2,944.00
Osgood St. Sewer Loan, 1907, ...	2,750.00
Ordinary City Debt Loan, 1909, ..	1,368.00
Public Imp. Loan, 1908,	2,680.00
Central Fire Station Loan, 1907, ..	560.00
Bloody Brook Culv. Loan, 1909, ..	400.00
Water St. Sewer Loan,	320.00
Fairmount Sewer Loan, 1908,	760.00
Union St. Bridge Loan, 1907,	160.00

\$2,802,153.84

Cash balance December 31, 1910, ..

110,965.69

\$2,913,119.53

Amount brought forward, \$560,234.61

CR,

W. A. Walsh—Public library, collections,	188.13
P. J. Hennessey—Public Property, collections,	251.12
Water Dept.—Public Property, transfer,	2,449.57
Cemetery,—Public Property, transfer,	29.84
Health—Public Property, transfer,..	486.15
Engineering — Public Property, transfer,	216.00
Park Dept.—Public Property, transfer,	436.20
W. E. Richardson—Public Property, refund on cancelled insurance policy,	61.87
B. M. Sheridan—School, Collections,	402.98
Com. of Mass.—School, Tuition ..	36.00
B. & M. R. R.—School, Refund freight charge	1.98
Incidental Dept—School, Transfer	1,850.00
Sundry Persons—Sewer, Collections	7,463.24
Osgood St. Sewer Loan, 1907—Sewer, Transfer	15.35
Ward One Sewer Loan—Sewer, Transfer	104.98
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	\$574,228.02

Amount brought forward,	\$2,193,119.53
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DR.

Amount carried forward,	<hr/> \$2,193,119.53
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Amount brought forward, \$574,228.02

CR.

Ward One Sewer—Sewer, Transfer	377.98
Sundry Persons—Sidewalk, Collections	9,409.25
Sundry Persons—Street, Sprinkling Street	11,866.34
Pat'k Lyons—Street, Collections,..	845.92
H. and So. N. H. St. Ry.—Street, Excise Tax for 1910,	438.37
Com. of Mass.—Street Excise Tax for 1910,	4,227.07
Standard Oil Co.—Street, Sale of Oil	248.34
Washington St. Extension—Street, Transfer	169.26
Pay roll No. 33—Street, Error on Pay Roll .....	.05
Com. of Mass.—State Aid, Reimbursement	6,335.00
Sundry Persons—Taxes, Assessment,	1,001,203.10
F. S. Moseley Co.—Temporary Loan, City Notes 37-47-48-52, ..	200,000.00
Blake Bros. Co.—Temporary Loan City Notes 53-64,	200,000.00
Old Colony Trust Co.—Temporary Loan, City Notes 68-76,	150,000.00
Loring Tolman & Tupper—Temporary Loan, City Notes 77-82, ..	100,000.00
	<hr/>
	\$2,259,348.70

Amount brought forward,	\$2,193,119.53
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DR.

Amount carried forward,	<hr/> \$2,193,119.53
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Amount carried forward, \$2,259,348.70

CR.

Old Colony Trust Co.—Temporary Loan in anticipation of O. C. D. Loan, City Notes 53-58	100,000.00
Incidental Dept.—Park, Jail Playstead, Transfer,	7,500.00
Incidental Dept.—Pauper Farm Laundry, Transfer,	5,000.00
Incidental Dept.—Bloody Brook Culvert Loan, 1910, Transfer, ..	9,000.00
John Lyons—Bloody Brook Culvert Loan, 1910, Error on Draft,	6.00
Incidental Dept.—Jno. K. Tarbox Playstead, Transfer,	5,000.00
Anti-Tuberculosis League—Tuberculosis Hospital Loan, 1908, Transfer,	5,000.00
Incidental Dept.—Tuberculosis Hospital Loan, 1908, Transfer,..	12,000.00
Incidental Dept.—Merrimack St. Paving, Transfer	823.75
Old Colony Trust Co.—Paving Loan 1910, 150 Bonds at 1,000 .	150,000.00
Paving Loan 1910, Interest	166.67
Geo. A. Fernald Co.—Sewer Loan 1910, 80 Bonds 1 to 80	70,000.00
Sewer Loan 1910, Premium ...	1,071.70
Sewer Loan 1910, Interest	194.44
N. W. Harris Co.—Ward 6 School Loan, 1910, 100 Bonds, 1-100 ..	90,000.00
	<hr/>
	\$2,715,111.26

Amount brought forward,	\$2,193,119.53
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DR.

Amount carried forward,	\$2,193,119.53
-------------------------------	----------------

Amount brought forward, \$2,715,111.26

CR.

Ward 6 School Loan 1910,	
Premium	3,291.30
Ward 6 School Loan 1910,	
Interest,	410.00
M. A. Cahill—Municipal Hospital,	
Collections	242.30
Health Dept.—Municipal Hospi-	
tal, Transfer	350.86
Old Colony Trust—Ord. City Debt	
Loan 1910, Bonds 1-160	160,000.00
Ordinary City Debt Loan, 1910	
Premium	3,088.00
Ordinary City Debt Loan, 1910	
Interest,	515.55
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	\$2,883,009.27

Cash balance account Water Works
Department,

30,110.26

\$2,913,119.53
=====

LAWRENCE, MASS., March 27, 1910.

TO THE CITY COUNCIL OF THE CITY OF LAWRENCE.

GENTLEMEN:—

I herewith present a separate report of the receipts and payments made at the City Treasury from March 1, 1910 to December 31, 1910, inclusive, exclusive of the receipts and expenditures made on account of Water Works Department which are separately stated in the accompanying distinct report.

Respectfully submitted,

WILLIAM A. KELLEHER, *City Treasurer.*

IN BOARD OF ALDERMEN,

March 27, 1911.

Accepted without reading.

EDWARD J. WADE, *City Clerk.*

IN COMMON COUNCIL,

April 3, 1911.

Accepted in concurrence.

RICHARD J. SHEA, *Clerk.*

WATER WORKS DEPT.

CITY OF LAWRENCE IN ACCOUNT CURRENT FROM
WITH WILLIAM A. KELLEHER,

CR.

Sundry Persons—Use of water.....	\$15,541.00
Service pipe and meter,	8,074.13
Paving loan of 1910, transfer,	13.13
Incidental Dept., transfer,	244.13
	<hr/>
	\$123,872.39
	<hr/> <hr/>

WATER WORKS DEPT.

MARCH 1, 1910 TO DECEMBER 31, 1910. INCLUSIVE.
TREASURER AND COLLECTOR.

DR.

Overdraft, March 1, 1910,	\$ 3,207.50
Sundry persons, cost of maintenance,	93,762.13
Cash on hand,	26,902.76
	<hr/>
	\$123,872.39
	<hr/> <hr/>

The Auditor's Account.

With Departments

Showing the amount raised by taxation or otherwise for such class of expenditure, the receipts accruing thereto, and the authorized transfers made to supply deficits, with a detailed statement of the amount expended under each department, and the final balance.

ASSESSORS' DEPARTMENT.

Appropriation,	\$4,500.00
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\$4,500.00

Receipts.

Refund on Pay-Roll No. 20,	\$	10.00
Incidental Dept., transfer to balance overdraft,		2,062.27

\$2,072.27

\$6,572.27

EXPENDIURTES.

Salaries.

Murphy, John J., assessor and chair- man of board,	\$1,200.00
Finn, Dennis H., assessor,	1,100.00
Butler, Walter J., assessor,	1,100.00

\$3,400.00

Assistant Assessors and Clerks.

Abdo, Abdallah,	\$ 6.25
Cavanagh, J. J.	282.50
Di Benidetto, Vincenzo	2.50
Flynn, Clement	111.25
Gilmartin, Dennis	267.50
Hughes, John	106.25
Joubert, Joseph	222.50
Karem, Ferris	15.00
Lane, John	103.75
Logue, Daniel H.	127.50
Moss, Albert	175.00
Murphy, Joseph A.	276.25
Petteruti, Antonio	15.00
Powers, John J.	248.75
Ryan, Simon	107.50
Seccereccia, Pavallo	2.50
Twomey, John	110.00
Zobroski, Joseph	12.50

\$2,192.50

Miscellaneous Expenditures.

American Express Co., expressing ..	\$ 1.43
American-Sun Pub. Co., advertising.	75.00
595 pp. street list of polls	333.20
200 registers blocked,	3.75
Austin, M. E. & Co. hardware	1.23
Auto List Pub. Co. registrations 1910, Jan. 1, April 11.	1.68
Bailey-Noonan Co. 1000 application blanks	7.50
Cole, A. L., stationery, books, etc., ..	18.20
Collins, D., house numbers,	67.52
Dyer & Co., pens,	4.50
Hildreth & Rogers Co., advertising...	75.00
500 error slips,	3.50
Littlefield, C. H., making out bank tax list	50.00
Extra copy bank tax list,	6.00
Lawrence Bindery Co., 18 precinct books,	27.00
Six ward books,	30.00
Three tax list books,	21.00
1500 ruled sheets,	7.50
One tax list aggregate book, ...	6.75
One valuation aggregate book,..	8.50
Library Bureau, 10100 buff cards at \$3 per 1000,	30.30
2000 cards,	8.75
Merchants Co-op. Express Co., ex- pressing,	15
Morrison, 200 certificates of residence,	2.50
Murphy, J. J., cash paid for postage,.	6.00
Expenses,	1.90
Carried forward,	<u>\$798.86</u>

Brought forward,	\$798.86
N. E. Tel. & Tel. Co., rental,	60.80
Nugent Press, 1000 certificates,	5.00
O'Leary, D., use of team,	4.00
Reardon, W. T., 500 blanks,	3.50
Register Pub. Co., 1000 notices,	4.75
Rushforth, W. E., 1000 envelopes, ..	3.00
Sampson & Murdock Co., 3 Lawrence directories,	9.00
Stanchfield, H. J. & Co., tacks,	36
Telegram Pub. Co., advertising,	75.00
The Banker & Tradesman, subscription,	5.00
Wright & Potter Printing Co., 500 cop. Return of Property,	10.50

979.77

Total expenditure, year 1910

\$6,572.27

BRIDGE DEPARTMENT.

Appropriation,	\$5,000.00
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	\$5,000.00
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Expenditures.

Bean & Poore, lumber,	\$1,476.69
Costello, D. J., amount allowed for claim against city,	125.00
Evans, John J., removing snow from bridges,	10.00
McDonnell, T. E., hire of horse for tip cart,	14.00
Rae, W. P., 2 loads sand,	2.00
Schwarzenberg, W. H., hardware, ..	43.20
Stanchfield, H. J. & Co., hardware and tools,	72.10
Treat Hardware and Supply Co., hardware,	5.14
Pay-Roll, men employed by Super- intendent of Public Property, ...	1,777.15

Total expenditure, year 1910,	\$3,525.28
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Unexpended balance, transferred to Incidental Dept.,	1,474.72
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	1,474.72
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	\$5,000.00
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 CENTRAL BRIDGE LOAN OF 1906.

 Unexpended balance Dec. 31, 1910. \$736.80

\$736.80

 CEMETERY DEPARTMENT.

 Unexpended balance January 1, 1910 \$202.49

\$202.49

Receipts.

Lord, William H., collections,	\$9,281.95
Interest on perpetual care fund, .	3,520.94
Corcoran, C. J., city clerk, deeds, . .	3,070.50
Wade, E. J., city clerk, deeds,	841.00
Pauper Dept., transfer,	89.00
Street Dept., transfer,	4.55

\$16,807.94

 \$17,010.43

Expenditures.

Salary.

Lord, William H., salary as super- intendent,	\$1,200.00
--	------------

\$1,200.00

Hay and Grain.

Bruckman, H.,	\$ 43.00
Morse Bros.,	116.50
Shea, John	48.82

Carried forward,	\$208.32
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Brought forward,	\$208.32	\$1,200.00
Stanley Grain Co.,	82.00	
Webster, H. K. Co.,	166.55	
Williams Carriage Co.,	23.46	
		\$480.33

Miscellaneous.

American Express Co., expressing, .	\$ 4.05	
Arlington Mills, 184 lbs. old 5" pipe at 1¼c. lb.,	2.30	
Atkinson, W. H., filing saws,	1.85	
Austin, G. M., insurance,	6.65	
Ayer Mills, 2M Up and Down S.S brick, \$9.50	19.00	
Bean & Poore, lumber,	4.10	
Bicknell, Jas. Estate of, 65¼ bbl. cement at \$1.50.	97.87	
Black, A. B., 1 second-hand road machine,	50.00	
Black, A. B. Road Mach. Co., 1-12 R.R. 135 for motor roller,	70	
Blood, Frank A., 1 3-4 cd. manure, at \$4,	7.00	
Boston & Maine R.R., freight,	100.06	
Bradbury, Harry L., 4 cd. manure,	12.00	
Bride, Grimes & Co., pipe, sanitary stall floor, labor, etc.,	107.16	
Briggs & Allyn Mfg. Co., glass, ...	1.05	
Chandler, Frank E., crushed stone,	69.69	
Churchill, W. L., 3 cords manure at \$3,	9.00	
Carried forward,	\$492.48	\$1,680.33

Brought forward,	\$492.48	\$1,680.33
Clinton Concrete Co., markers and stars,	58.50	
Cross Coal Co., 13 cords manure at \$4,	52.00	
Daniels, Joel C., gal. iron pan, sharpening mowers, etc.,	9.20	
Desmond, Jeremiah, 3200 sq. ft. sods at 1c	32.00	
Desmond, Nora, 2186 sq. ft. sods at 1c	21.86	
Dick & Trumpold, 2000 pay bills,..	4.00	
2000 note heads,	4.25	
2000 funeral sheets,	16.00	
Dyer & Co., pens, pencils, paper, etc	9.95	
Eastern Finishing Works, 1 drum,.	6.00	
Erskine, J. H., catch basin,	10.25	
Fitts, Geo. D., electrical work,	1.25	
Fuller, G. S., medicine and services,	3.50	
Gage, Geo. L. Co., cement,	156.89	
Hall Paint & Hardware Co., hardware, etc.,	27.11	
Heath Foundry & Mfg. Co., grinder with sub base,	27.00	
Heginbotham, Jos., 10 doz. Dahlia bulbs,	10.00	
Keeble, A. K., 12 steel springs,	2.25	
Keystone Oil Co., gasoline,	32.43	
Kress, O. F. & Son. labor and material,	91.35	
Lane, D. M. Co., shoeing, repairing, painting, etc.,	112.48	
Labor on tools,	11.93	
Carried forward,	\$1,192.68	\$1,680.33

Brought forward,	\$1,192.68	\$1,680.33
Lathrop, E. A., hoof ointment,	1.00	
Lawrence Bindery Co., record book,	9.00	
Permit book,	6.50	
Four order books,	6.00	
Bills,	14.00	
One ledger,	14.00	
Lawrence Drop Forge & Tool Co., 12 hand forged picks,	12.00	
Lawrence Gas Co., electricity,	10.49	
Lawrence O. T. Supply Co., towel supply,	9.00	
Lord, Wm., cash paid for P. O. box rent and postage, ..	46.88	
Mack, A. E., insurance,	67.20	
Mahoney, M. J., 3½ cords manure at \$3,	10.50	
Menzel, Martha, 42 days' labor changing over system,	73.50	
Merrimac Iron Foundry, grate cast- ings,	68.51	
Weighing 14 ld. ashes at 10c... ..	1.40	
Mitchell, B. F., lining box,	6.00	
National Casket Co., 3535 Cham- pion truck,	30.00	
N. E. Tel. & Tel. Co., rental,	48.70	
Norwood, John K. & Co., insurance	25.00	
O'Leary, Daniel & Co., clipping 4 horses at \$2,	8.00	
O'Mahoney, M. Est, 13 1830-2000 tons coal,	82.52	
Pipe and cement,	52.15	
Page Broom Co., 1 doz. brooms, ..	5.50	
Carried forward,	\$1,800.53	\$1,680.33

Brought forward,	\$1,800.53	\$1,680.33
Peabody, E. A. & Son, chimney and fireplace as per agreement,	279.80	
Plant, Thos., G., man-hole pattern and cover,	37.45	
Prescott, H. A., repairing harnesses, etc.,	25.90	
Price, Robert T., plants and bulbs, Public Property Dept., 224' 2x4 sp. ro., 25.	31.00	
1102' sp. bds. p. l. s., 22,	5.60	
Redfern, W. E., 1 urn for Jack- son monument,	24.24	
Robinson Hardware Co., hardware,	7.50	
Royle, T. F., slate,	15.00	
Rutter, W. P., 1 pair roan horses,	327.84	
Rutter & Lane, use of double team 73 days at \$2,	480.00	
Sampson & Murdock Co., directory,	146.00	
Scanlon, E. J., 1000 ft. 2d hand plank at \$15.00,	3.00	
Schwarzenberg, W. H., hardware,	15.00	
Seymour, George, 1 roll fuse,	24.74	
Showen, Geo. A., 5½ days auditing books at \$5,	1.00	
Stanchfield, H. J. & Co., hardware, seed and tools,	27.50	
Stanley Co., patterns and castings,	252.40	
The Banker and Tradesman, sub- scription,	400.34	
Thornton Bros., plants and bulbs,	5.00	
Treat Hardware & Supply Co., hardware,	105.00	
	2.11	
Carried forward,	\$4,016.95	\$1,680.33

Brought forward,	\$4,016.95	\$1,680.32
"Velvetlawn" Seeder Co., 1 "Velvet- lawn" seeder,	20.00	
Wagland, A. H., plants,	18.00	
Water Works Dept., water service,	212.76	
Winchester, J. F., services and medicine,	7.25	
Wood Worsted Mill, 1000 Sel. sand struck brick,	9.60	
		\$4,284.56
Pay Roll,	\$10,792.25	
		\$10,792.25
Total expenditure, year 1910, ..		\$16,757.14
Unexpended balance, December 31, 1910,	\$253.29	
		253.29
		\$17,010.43

CITY CLERK'S DEPARTMENT.

Appropriation,	\$1,800.00	
		\$1,800.00
Unexpended balance, January 1,		
1910,	\$2,329.91	2,329.91
		\$4,129.91
Receipts.		
Corcoran, C. J., collections,	\$3,970.35	
Wade, E. J., collections,	1,508.30	
		\$5,478.65
		\$9,608.56

Expenditures.

Salaries.

Corcoran, C. J., salary as city clerk,	\$1,438.82	
Riley, C. F., salary as assistant city		
clerk,	326.05	
Wade, E. J., salary as assistant city		
clerk,	468.35	
Wade, E. J., salary as city clerk, ..	558.12	
Tierney, Wm. E., salary as assistant		
city clerk,	275.07	
		\$3,066.41

Miscellaneous Expenditures.

American Express Co., expressing, ..	\$17.23	
Atkinson, W. H., 4 Yale keys,	1.00	
		\$3,066.41
Carried forward,	\$18.23	

Brought forward,	\$18.23	\$3,066.41
Bailey-Noonan Co., 1000 loose leaf sheets,	23.50	
Boston & Maine R.R., freight,	1.05	
Bradshaw, Justin J. & Co., scrap book,	1.75	
Buckley & Sullivan, office chair, ..	7.50	
Cole, A. L., stationery and supplies, ..	52.19	
Corcoran, C. J., cash paid for postage and expenses,	20.62	
Cox, L. S., Postmaster, stamped envelopes,	85.56	
Dempsey, Julia A., typewriter supplies,	7.00	
Devine, P. F., strop, .....	.40	
Dyer & Co., pens,	3.00	
Foster, H. W., carting,	3.00	
General Fireproofing Co., 1 case, ..	645.00	
Gifford, E. L., 1 window vent, set, ..	35.00	
Hilbreth & Rogers Co., postals, permits, applications, etc.,	47.10	
Hoff, Daniel W., engrossing Maloney Vote of Thanks,	50.00	
Kee-Lox Mfg. Co., 100 sheets carbon,	3.50	
Lawrence Bindery Co., books, certificates, records, etc.,	125.20	
Lawrence Gas Co., lamps, material and labor,	1.72	
Merchants Co-op. Express Co., expressing,	2.85	
Meserve, H. M. & Co., brass wheel dater,	8.00	
N. E. Tel. & Tel. Co., rental,	33.59	
Carried forward,	<u>\$1,175.76</u>	<u>\$3,066.41</u>

Brought forward,	\$1,175.76	\$3,066.41
Nugent Press, envelopes, petitions, books, etc.,	44.50	
O'Riordan, F., carting,	6.50	
Reardon, W. T., licenses, cards, blanks, envelopes, etc.,	114.00	
Rushforth, W. E., resolutions, rec- ords, certificates, etc.,	112.50	
Sampson & Murdock Co., directory,	3.00	
Smith Premier Typewriter Co., sup- plies,	16.97	
Stanchfield, H. J. & Co., hardware,	2.75	
Telegram Pub. Co., adv.,	3.50	
Union Stamp Works, time stamp,..	5.00	
Valpey, F. D., spring water,	19.40	
Wade, E. J., cash paid for postage and expenses,	9.63	
Western Union Telegraph Co., time service,	12.00	
Yawman & Erbe Mfg. Co., cards,..	48.85	
		<u>\$1,574.36</u>
Pay Roll, clerks,	<u>\$1,784.66</u>	
		1,784.66
Pay Roll, carpenters,	<u>33.56</u>	
		<u>33.56</u>
Total expenditure, year 1910,		\$6,458.99
Unexpended balance, December 31, 1910,	<u>\$3,149.57</u>	
		<u>3,149.57</u>
		<u><u>\$9,608.56</u></u>

ENGINEERING DEPARTMENT.

Appropriation,	\$5,400.00	
		\$5,400.00
Receipts.		
Incidental Dept. Transfer to balance overdraft,	\$1,699.11	
		\$1,699.11
		<u>\$7,099.11</u>
		=====
Expenditures.		
Salary.		
Marble, A. D., salary as city en- gineer,	\$2,500.00	
		\$2,500.00
Miscellaneous Expenditures.		
Aberthaw Construction Co., design for roof over Spicket river,	\$20.00	
American Express Co., expressing,	3.00	
American-Sun Pub. Co., 38 pp. re- port at \$1.03½	39.23	
Austin, M. E. & Co., hardware, ...	4.21	
Boston & Lawrence Express Co., expressing, .....	.20	
Bradshaw, Justin J. & Co., scrap book,	1.75	
Carey, Martin, clipping horse,	3.00	
Cole, A. L. & Co., stationery,	22.90	
Carried forward,	\$94.29	\$2,500.00

Brought forward,	\$94.29	\$2,500.00
Cross Dry Goods Co., 24 yds. cotton at 12½c.	3.00	
De Mars, Geo. W., repairing clock,	2.00	
Devine, P. F., mail bag,	5.00	
Dick & Trumpold, annual report 1909, 50 pp. at \$1.14,	57.00	
Dyer & Co., pens, etc.,	2.50	
Engineering-Contracting, subscription,	2.00	
Engineering Magazine, subscription,	2.00	
Engineering News, subscription,	5.00	
Engineering Record, subscription,	3.00	
Fuller Bros., use of team,	39.00	
Hall Paint & Hardware Co., hammer handle, .....	.25	
Hudson, C. E., 4 days, levels for paving and playstead,	32.00	
Lane, D. M. Co., painting, repairing and shoeing,	70.42	
Lawrence Bindery Co., paper, cards	4.85	
Lawrence Gas Co., labor and switch .....	.68	
Lawrence Granite Co., 9 bound stone covers,	27.00	
Lawrence Machine Co., blue prints,	21.40	
Ledder & Probst, repairs and surveying instruments,	26.25	
Makepeace, B. L., surveying instruments and repairing,	29.39	
Marble, A. D., cash paid for postage and expenses,	21.84	
Merchants Co-op. Express Co., expressing,	1.05	
Carried forward,	\$449.92	\$2,500.00

Brought forward,	\$449.92	\$2,500.00
Merrimac Iron Foundry, boxes and covers,	41.53	
Morris, Geo. A., shoeing,	31.63	
Mullen & Murch, alcohol, salts, ...	1.74	
Municipal Journal, subscription, ..	6.00	
N. E. Tel. & Tel. Co., rental,	11.05	
Prescott, H. A., repairing harnesses, etc.,	14.00	
Public Property Dept., board of horse,	216.00	
Reardon, W. T., 1000 letter heads and 1000 envelopes,	9.00	
Sampson & Murdock, directory, ..	3.00	
Scarborough Co., map,	1.45	
Soltmann, E. G., drawing materials, ..	50.28	
Spaulding Print Paper Co., blue prints,	48.81	
Stiegler, E. C. & Co., cane seating chair, .....	.70	
Winchester, J. F., services,	9.00	
		\$894.11
Pay Roll,	\$3,705.00	
		\$3,705.00
Total expenditure, year 1910, ...		\$7,099.11

CITY HALL DEPARTMENT.

Appropriation,	\$1,600.00	
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		\$1,600.00
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Receipts.

Merrow, Wm. H., collections,	\$ 70.00	
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Shine, Dennis, collections,	1,645.00	
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		\$1,715.00
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Incidental Dept., Transfer to bal- ance overdraft,	\$1,572.23	
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		\$1,572.23
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		\$4,887.23
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Expenditures.

Salary.

Merrow, William H., salary as city messenger,	\$ 54.92	
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Shine, Dennis H., salary as city messenger,	1,145.08	
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		\$1,200.00
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Miscellaneous Expenditures.

American Express Co., expressing,	\$ 20	
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Austin, M. E. & Co., hardware,...	1.47	
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Ball, Frank J., chimneys & mantles	2.95	
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Beach Soap Co., soap,	8.20	
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Carried forward,	\$12.82	\$1,200.00
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Brought forward,	\$12.82	\$1,200.00
Bechard, L. T., 300 lbs. Klean-Off Dust,	9.00	
Beil, Hugo, repairing clock,75	
Boutwell, W. B., 50 lbs. No-Dust, ..	1.50	
Bride, Grimes & Co., globes, tapers, etc.,	2.50	
Buckley & Sullivan, use of chairs, carpet sweeper,	3.70	
Burke, M. J., insurance,	85.20	
Cole, A. L., stationery, etc.,	17.75	
Compressed Air House Cl. Co., cleaning rooms and draperies, ..	26.56	
Cudahy Packing Co., soap powder, ..	4.00	
Dalman, H. I. & Co., 1 doz. mops, ..	2.50	
Doe, Henry P. Co., repairing clocks, ..	21.00	
Forbes, Wm. & Sons, ash bbl., ...	5.50	
Foster, H. W., carting and sawdust, ..	1.60	
Fuller Bros., use of team,	3.50	
Grace Church Choir Boys' Fund, amount abated for use of hall, ..	25.00	
Hall Paint & Hardware Co., duster	3.50	
Halloran, W. F. & Co., electrical work,	2.40	
Lawrence Gas Co., gas,	260.40	
Electricity,	969.15	
Labor and material,	15.23	
McCabe, Edward, labor on boiler, ..	3.00	
McCabe, Thos., keys,	5.90	
Merchants Co-op. Express Co., ex- pressing, .....	.80	
Merrimac Supply Co., globes and mantles, .....	.90	
Carried forward,	\$1,484.16	\$1,200.00

Amount brought forward,	\$1,484.16	\$1,200.00
Mitchell, Wing & Co., toilet paper, .	13.00	
Mullen & Murch, wax, sponges, dusters,	8.20	
O'Mahoney, M., Est., coal,	442.65	
O'Riordan, F., carting, . . . . .	.50	
Reid & Hughes Co., brooms, towels	4.84	
Robinson Hardware Co., hardware,	.90	
Sampson & Murdock Co., directory	3.00	
Seymour, Geo., repairing lock, lamp lighter,	1.00	
Shine, T., brooms and soap,	5.35	
Simpson, J. R. & Co., matches, soap,	3.25	
Spicket Broom Co., 1 doz. brooms,	4.75	
Stanchfield, H. J. & Co., hardware,	7.80	
Street Dept., street watering, . . .	17.63	
Winslow, E. N. & Co., insurance, . .	20.00	
Woodbury & Scanlon, insurance, . .	170.40	
	<hr/>	\$2,187.43
Pay Roll, assistant janitors,	\$1,471.80	
	<hr/>	\$1,471.80
Pay Roll, carpenters,	\$28.00	
	<hr/>	\$28.00
Total expenditure, year 1910, . . .		<hr/> \$4,887.23 <hr/> <hr/>

TREASURER'S DEPARTMENT.

Appropriation,	\$5,000.00	
		\$5,000.00

Receipts.

Sullivan & O'Mahoney, fee, looking up back taxes,	\$2.00	
		\$2.00

Incidental Dept., Transfer to bal- ance overdraft,	\$3,528.20	
		\$3,528.20

		\$8,530.20
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Expenditures.

Salaries.

Hamel, Wm. N., salary as treasur- er, 2 mos.,	\$333.32	
Kelleher, Wm. A., salary as treas- urer,	1,666.68	
		\$2,000.00

Miscellaneous Expenditures.

Alexander, C. I. & Son, electrical work,	\$ 1.00	
American Express Co., expressing,	2.54	
Atkinson, W. H., chimneys, mantles, labor, etc.,	2.35	
Atkinson & Craig, electrical work,	34.00	
Carried forward,	\$39.89	\$2,000.00

Brought forward,	\$39.89	\$2,000.00
Beil, Hugo, repairing clock,	2.00	
City Trust Co., preparation bond registration book,	25.00	
Cole, A. L., stationery, etc.,	8.04	
Comptograph Co., 1 comptograph with stand,	369.60	
Daly, Matthew J., disinfectant, ..	4.00	
Doe, H. P. repairing clock, etc., ..	4.00	
Dyer & Co., pens, pencils, etc., ...	16.50	
Fuller Bros., use of team,	2.00	
Hamel, Wm. N., cash paid for postage,	31.00	
Hamel, Wm. N., expenses,	6.35	
Hildreth & Rogers Co., envelopes, .	1.75	
Kelleher, Wm. A., expenses,	48.50	
Cash paid for postage,	115.48	
1 trip book to Boston, partly used	19.84	
2 trip books to Boston,	40.50	
Lawrence Gas Co., material and labor,	2.05	
Lawrence O. T. Supply Co., towel supply,	4.80	
Lawrence Rubber Co., bands, stamps, etc.,	3.70	
Mass. Bonding Co., amt. allowed for bond of Wm. A. Kelleher, ..	250.00	
Morris & Ireland Safe Co., chang- ing combination,	6.56	
Morrison, W. F., 38M. pay en- velopes,	76.00	
N. E. Tel. & Tel. Co., rental,	37.66	
Carried forward,	<u>\$1,115.22</u>	<u>\$2,000.00</u>

Brought forward,	\$1,115.22	\$2,000.00
Nugent Press, slips, cards, tax bills, etc.,	210.25	
Old Colony Trust Co., preparation of book of registered certificates,	35.00	
Pratt, J. W. Co., 3000 sheets and 3 binders,	93.35	
Register Pub. Co., printing 12 books and 1 bond book,	45.00	
Robinson Hardware Co., hardware .....	.40	
Rushforth, W. E., books, letter heads, envelopes, etc.,	105.50	
Sampson & Murdock Co., directory	3.00	
Smith-Premier Type. Co., inspection,	15.00	
Union Stamp Works, 2 stamps, pads and ink,	1.50	
Valpey, F. D., spring water,	11.85	
Valpey Spring Water Co., spring water,	6.15	
Weeks, B. L., bands, pencils, erasers, etc.,	18.80	
		\$1,661.02
Pay Roll, employees at office,	\$4,869.18	
		4,869.18
Total expenditure, year of 1910.		\$8,530.20
		=====

ELECTION DEPARTMENT.

Appropriation,	\$6,000.00	
	<hr/>	\$6,000.00

Receipts.

\$	4.00
	<hr/>

4.00

\$6,004.00

Incidental Dept., transfer to balance overdraft	
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2,652.15

\$2,652.15

\$8,656.15

Expenditures.

Salaries.

Corcoran, C. J., salary as registrar and clerk of board, January, 1910 to Sept. 19, 1910, inclusive,	\$	288.05
Wade, E. J., salary as registrar and clerk of board, Sept. 20, 1910 to Dec. 31, 1910,		111.95
Rogers, A. H., salary as registrar, ..		216.03
Salisbury, C. H., salary as registrar, ..		83.97
Seigel, Louis K., salary as registrar, ..		300.00
Regan, John J., salary as registrar, ..		300.00
	<hr/>	

\$1,300.00

Carried forward,

\$1,300.00

Brought forward,		\$1,300.00	
Miscellaneous.			
American-Sun Pub. Co., advertising list of voters,	\$ 70.00		
Advertising list of candidates, ..	35.00		
Advertising polling places and caucus and election calls,	56.50		
Printing three sets check lists, at \$180.00	540.00		
Printing 500 posters and slips, ..	20.50		
	<hr/>		
	\$722.00	722.00	
Bailey-Noonan Co., advertising list of candidates (2)	\$35.00		
Advertising polling places and caucus calls,	14.75		
Printing ballots,	90.00		
	<hr/>		
	139.75	139.75	
Dick & Trumpold, Advertising list of candidates,	15.00		
list of candidates,	\$20.00		
Advertising caucus call,	9.00		
	<hr/>		
	44.00	44.00	
Hildreth & Rogers Co., advertising list of candidates (2) \$142.00			
Advertising list of names dropped,	56.00		
Advertising caucus, election and register notices,	74.00		
Signature cuts,	16.00		
Printing ballots and samples	637.50		
	<hr/>		
	925.50	925.50	
Morrison, Wilbur F., advertising caucus call,	4.75	4.75	
	<hr/>		
Carried forward,		\$3,136.00	

Brought forward,		\$3,136.00
Nugent Press, letter heads and slips	6.00	6.00
Le Courrier De Lawrence, advertising list of candidates,	35.00	35.00
Reardon, Walter T., advertising list of candidates (2) ...	\$55.00	
Advertising caucus and election notices,	27.00	
Printing instructions to voters,	15.00	
Printing ballots and samples,	97.50	
	<u>194.50</u>	194.50
Register Pub. Co., advertising list of candidates (2) ..	\$55.00	
Advertising polling, caucus and election notices,	26.00	
Printing ballots and samples	377.50	
Balance due on ballots,	12.50	
	<u>471.00</u>	471.00
Rushforth, W. E., advertising list of candidates (2), ..	\$50.00	
Advertising caucus and election notices,	38.50	
Printing nomination papers, (2 sets)	106.00	
Printing ballots,	30.00	
	<u>224.50</u>	224.50
Telegram Pub. Co., advertising list of candidates,	\$36.25	
Advertising list of voters, ..	70.00	
Advertising registers, caucus and election notices, ..	27.88	
	<u>134.13</u>	134.13
Carried forward,		\$4,201.13

Brought forward,		\$4,201.13
The Duetch Herald, advertising list of candidates, (3) \$35.00		
Advertising caucus and election notices, 8.75		
	43.75	43.75
The Leader Pub. Co., advertising list of candidates, ... \$63.00		
Advertising caucus and election notices, 34.75		
	102.75	102.75
The Sentinel Print, advertising list of candidates,	15.00	
Truth Pub. Co., advertising candidates and caucus call,	19.75	
Austin, M. E. & Co., brush, .....	.25	
Buckley & Sullivan, furniture, ...	16.80	
Carrol, Michael, teaming,	4.00	
Cole, A. L., stationery,	53.86	
Collins, James, teaming furniture, .	42.00	
Fick & Trumpold, printing 50 jury lists,	25.00	
Flynn, Joseph J., posting check lists,	64.00	
Foster, H. W., teaming ballot boxes	8.00	
Lawrence Bindery Co., indexes, straps and tally sheets,	49.18	
Lawrence Bill Posting Co., posting check lists and half-sheets,	137.00	
Lawrence Gas Co., electricity,	7.29	
Loom Fixers' Union, rent of hall , four times,	40.00	
Pratt, Horace, teaming ballots,	1.00	
Seymour, George, repairing ballot boxes,	34.00	
Carried forward,		\$4,864.76

Brought forward,		\$4,864.76
Shine, Dennis, repairing ballot boxes,	30.00	
Theberge Bros., fuel,	14.25	
Williams Carriage Co., teaming bal- lot boxes,	72.00	
		<hr/>
		3,681.01
Pay roll, care of precincts,	70.00	
Pay roll, services of precinct offi- cers,	3,270.00	
		<hr/>
		3,340.00
Labor and material furnished by the Supt. of Public Property.		
Ahearn, A. B., chimneys, .....	.90	
Davey, Peter B., stove and piping, ..	17.90	
Evans, John J., moving booth,	38.00	
Stanchfield, H. J. & Co., hardware, ..	2.41	
Pay roll, carpenters and helpers, ..	275.93	
		<hr/>
		335.14
		<hr/>
Total expenditure year, 1910,		\$8,656.15
		<hr/> <hr/> <hr/>

FIRE DEPARTMENT.

Appropriation,	\$69,000.00	
		\$69,000.00
Receipts.		
Hamilton, James A., collections, ..	\$ 5.94	
Health Dept., transfer,	100.00	
Street Dept., transfer,	163.54	269.48
Incidental Dept., transfer to balance overdraft,	\$38,195.86	
		\$38,195.86
		\$107,465.34
		=====
Expenditures.		
Salary.		
Hamilton, James A., chief, Jan. 1 to Oct. 21, 1910,	\$1,451.61	
McCreadie, William, assistant chief and clerk,	282.19	
McCreadie, William, acting chief; Oct. 21 — Dec. 31, 1910,	348.39	
Toye, Edward F., assistant engi- neer, Jan. 1, to Oct. 31,	250.00	
Toye, Edward F., assistant engi- neer and clerk, Nov. 1 to Dec. 31,	58.32	
		\$2,390.51
Pay Roll—Call Men.		
Engine Company No. 2	\$2,468.34	
Carried forward,	\$2,468.34	\$2,390.51

Brought forward,	\$2,468.34	\$2,390.51
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Pay Roll—Call Men.

Engine Company No. 3	3,155.80
Engine Company No. 4	2,306.90
Engine Company No. 5	2,326.78
Engine Company No. 6	1,013.50
Engine Company No. 7	1,308.50
Engine Company No. 8	1,258.00
Engine Company No. 9	1,055.13
Hook and Ladder No. 1 and 2	1,326.38
Hook and Ladder No. 4	996.50

\$17,215.83

Pay Roll—Stewards and Drivers.

January	\$ 5,436.01
February	4,247.60
March	4,478.33
April	5,887.00
May	4,786.60
June	4,797.60
July	5,987.49
August	4,781.10
September	4,786.60
October	5,818.25
November	4,602.35
December	4,671.95

\$60,280.88

Carried forward,

\$79,887.22

Brought forward, \$79,887.22

Hay and Grain.

American & Sun Publ. Co.	28.73
Bruckman, H.	841.21
Carney, M. & Co.	232.31
Central Grain Store	111.43
Driscoll, J. A.	159.66
Lavigne, J.	405.50
Mann, C. W.	648.33
Merrill, Chas. B.	43.19
Shea, John	912.92
Shuttleworth, Moses ...	42.30
Stanley Grain Co.	2,896.12
Webster, H. K. Co.	475.33
Woekel, Carl & Co.	267.20

\$7,064.23

Paid for Shoeing and Iron Work.

English, P.	154.50
Lane, D. M. Co.	110.90
Lane Shoeing Co.	66.75
Lockwood, J. H.	195.00
McKay, E. C.	47.25
Miller, Louis	95.30
Morris, Geo. A.	120.85
Murdock, Robert	22.95
Murphy, M. A.	231.90
O'Brien, F. H.	194.50
Snow, Frank E.	132.18

\$1,372.08

Paid for Fuel.

Bateman, Geo. S.	2.00
Caffrey, A. A.	6.00
Evans, John J.	198.00

Carried forward,	\$206.00	\$88,323.53
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Brought forward,	\$206.00	\$88,323.53
Ferguson, R. J.	22.75	
Humphrey, E. H.	43.00	
O'Mahoney, M. Est.	2,279.65	

\$2,551.40

Paid for Horses and Medical Attendance.

Ame & Co.	7.50
Buell, H. A. & Co.	2.00
Clarke, Charles & Son	5.40
Claus, E. ....	.98
Decker & Whittier	11.75
Ford Bros.	2.50
Forrest, John J. ....	.69
Fuller, Geo. S. M. D. V.	32.00
Garvey Bros.	80.30
Glover, W. H.	5.47
Hanson, C. H. & Co.	676.50
Holihan Bros.	12.00
Jaynes Drug Co. ....	.93
Kiley, W. J.	1.95
Lesure, Dr. John G.	24.00
McBride, Jas.	16.00
McDonnell, T. E.	225.00
McKenney Bros. & Co.	300.00
Prescott, G. H.	1,850.00
Rice, J. Allen & Co.	5.00
Ryder, A. F.	4.25
Simpson, J. R. & Co.	84.09
Winchester, J. F.	385.90

\$3,734.21

Carried forward,

\$94,609.14

Brought forward, \$94,609.14

Paid for Apparatus, Supplies and Repairs.

American—La France Fire Engine Co.	34.20
Archibald Wheel Co.	26.71
Boston Engineers' Supply Co.	1,480.00
Calderwood, F. L.	87.75
Callahan, Cornelius Co.	1,392.73
Eastman, Samuel Co.	330.00
Hadley, Geo. H. & Co.	6.50
Hall Paint & Hardware Co.	3.50
Hool, Jas.	6.75
Keystone Oil Co.	76.30
Kimball, M. I. & Co.	30.50
Kress Bros. Carriage Co.	14.55
Kress, O. F. & Son	4,056.44
Lee, A. & Co.	41.39
Lyons, John	90.10
Morrison, Wm.	11.75
Peters, John	36.10
Prescott, H. A.	1.75
Star Dressing Co.	1.75

\$7,728.77

Miscellaneous Expenditures.

Alexander, C. I. & Sons, electrical work	5.44
American Express Co., expressing	12.30
American-Sun Publ. Co., letter heads envelopes, etc.	24.07
97 pp. report for 1908	100.40
Bailey-Noonan Co., account sheets	7.50
Ball, F. J., curtain cloth,	6.70

Carried forward, \$156.41 \$102,494.32

Brought forward,		\$102,494.32
Barry, John, horse hire	13.50	
Bay State Decorating Co., repg. flag and sewing stretcher	2.25	
Beach Soap Co., soap	4.40	
Begley, Patrick, horse hire	12.00	
Beman Oil Can Co., carboy pumps	12.00	
Berry & Farragher	3.45	
Boston & Maine R. R., freight ...	2.96	
Bride, Grimes & Co., material & labor	1.29	
Buckley & Sullivan, chairs	25.00	
Burton, A. & E. Co., brushes	3.75	
Carroll, H. C., nickel plating	1.75	
Clayton, Geo., wire	1.25	
Cole, A. L. stationery	25.95	
Collins, Jas., carting—moving sleigh	3.00	
Common St. Garage (A. J. Wills) automobile hire	19.00	
Cotter, John P., carting sleigh	1.00	
Davey, Peter B., installing drinking trough	19.32	
Dean Hardware Co., hardware ...	2.71	
Desmond, J. J., emergency outfit disinfectant	40.25	
Dick & Trumpold, 109 pp annual 1909 report at \$1.14	124.26	
Dyer & Co., stationery	18.37	
Eaton, coffee and sandwiches (for fire men at fire)	11.90	
Ellis, Fred, automobile hire—Fire committee	10.00	
Empire Laundry, laundry	48.02	
Carried forward,		\$102,901.70

Brought forward,		\$102,901.70
Essex Electric Alarm Co., 1 year's rental	10.00	
Ewald & Hofmann, moving sleigh, etc.	3.00	
Fellows, S. W., badges	36.25	
Fitts, Geo. D., electrical work	60.65	
Forbes, Wm. & Son, labor and ma- terial	141.40	
Globe Mfg. Co., coats and suits ..	60.00	
Godfrey, W. H., furniture, rugs, bedding, etc.	38.47	
Greenwood, J. & Son, furniture ..	169.83	
Hamilton, Jas., expenses	8.00	
Cash paid for postage	1.00	
Hurley, John J., insurance	67.50	
Kneuper, R. G., automobile hire— inspecting Gamewell	16.00	
Lane, Grace, copying	40.00	
Lang, A. W. & Co., 1 cypress door	4.75	
Lawrence Bindery Co., reports, ap- plications, etc.	329.60	
Lawrence Drop Forge & Tool Co., tools, etc.	62.00	
Lawrence Emergency Hospital, services rendered	5.00	
Lawrence Gas Co., gas	326.88	
electricity	971.99	
labor and material	98.25	
Lawrence Rendering Co., soft soap	.40	
Lawrence Rubber Co., marking and printing outfit, boots etc. ..	90.25	
Macreadie, Wm., 16 days duty in absence of Chief Hamilton	63.52	
Carried forward,		\$105,506.44

Brought forward,		\$105,506.44
McCarthy, J. F., repairing piping .	64.53	
McDonnell, T. E., horse hire	40.50	
McLane, Elizabeth, typewriting specifications	5.00	
Merchants Co-op. Express Co., ex- pressing	3.15	
Mitchell, B. F., carboy .....	.70	
Mullen & Murch, dusters, shovels, polish, etc.	277.87	
Municipal Journal, subscription ..	3.00	
Musk & Lillis, mat	2.50	
N. E. Tel. & Tel. Co., rental	301.41	
Puritan Iron Works, 2 weather vanes	265.00	
Rae, Wm. P., horse hire	15.00	
Reid & Hughes Co., cuspidor and bedding, etc.	24.34	
Robertson Sutherland Co., bedding	87.64	
Robinson Hardware Co., hard- ware	54.87	
Rushforth, W. E., letter heads and cards	7.50	
Sampson & Murdock Co., 2 direc- tories	6.00	
Smith, Sam'l Machine Co., labor and material	8.30	
Somerville Brush Co., dusters	11.29	
Spicket Broom Co., stable brooms.	26.00	
Stagord, J. H. Co., brushes	40.20	
Stanchfield, H. J. & Co., hardware and hose	357.89	
Standard Oil Co., hoof oil	2.50	
Carried forward,		\$107,111.63

Brought forward,		\$107,111.63
Stanley-Porter Co., 3 rugs	60.00	
Stiegler, E. C., bed	2.50	
Strauss, Frank, mops and handles.	29.25	
Taylor, W. L., carting	6.00	
Thompson Bros., sharpening lawn- mower	1.00	
Towle, J. W., expenses on city business	4.93	
Toye Bros., ice	11.50	
Use of 2 horses 59 days	161.00	
Treat Hardware & Supply Co., hardware	4.83	
Valpey, F. D., spring water	4.70	
Wagner & Matthes, dinners	13.20	
Watts Regulator Co., 1 spring ....	.50	
Wentworth, F. H., 28 silver badges	16.80	
Western Union Tel. Co., service ..	24.00	
Woekel, Carl, horse hire	13.50	
		\$5,127.43
Total expenditure, year of 1910.		\$107,465.34

 FIRE ALARM DEPARTMENT.

 Appropriation \$1,800.00

 \$1,800.00

Receipts.

Hamilton, Jas. A., collections	\$ 10.00
Police Dept., care of signal system	300.00
Essex County, fire alarm box	38.36

\$348.36

* Incidental Dept., transfer to balance overdraft	3,057.80
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\$3,057.80

 \$5,206.16

Expenditures.

Alexander, C. I. & Sons, electrical supplies	\$213.66
Bodwell S. Byron, concreting around alarm boxes,	19.50
Boston & Maine R. R., freight ...	.25
Bowker, Torrey Co., 1 slate	1.75
Doe, Henry P. Co., stop watch and oil	8.75
Electric Equipment Co., rental of storage battery	320.00
Ellis, Fred, generator and carbide.	10.50
Fitts, Geo. D., electrical supplies and labor	139.76

 Carried forward, \$714.17

 \$714.17

Brought forward,		\$714.17
Gamewell Fire Alarm Tel. Co., lantern, boxes, gong, connec- tions, etc.	797.73	
Ganley, Katherine C., typewriting	5.00	
Greenwood, Jas. & Sons, table and chair and floor coverings	123.41	
Kress, O. F. & Son, labor and ma- terial	13.40	
Lane, D. M., 1 new pung	55.00	
Lawrence Drop Forge & Tool Co., 200 braces	100.00	
Lawrence Electric Supply & Con- struction Co., electrical supplies	101.24	
Lawrence Gas Co., brackets and arms	21.30	
Lawrence Rubber Co., matting ..	12.00	
McLane, Elizabeth, 2 copies of specifications	6.60	
Morrill, C. D., labor, painting and material	9.45	
Morse, E. H., use of vacuum cleaner	5.00	
Mullen & Murch, glass, paint, etc.	12.80	
Snow, Frank E., labor and mater- ial	3.70	
Stanchfield, H. J. & Co., wire and hardware,	81.78	
Watts Regulator Co., repairing box, etc.	1.65	
		\$2,064.23
Pay Roll, care of signal system ...	3,141.93	
		\$3,141.93
Total expenditure, year of 1910..		\$5,206.16

HEALTH DEPARTMENT

Appropriations	\$48,500.00
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\$48,500.00

Receipts.

Doble, Roscoe, collections,	\$2,771.58
Commonwealth of Mass., contagious diseases,	228.34

\$2,999.92

Incidental Dept., transfer to balance overdraft,	\$29,554.83
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\$29,554.83

\$81,054.75

Expenditures.

Salaries.

Smith, George W., salary as agent,	\$1,200.00
Greene, Thomas, salary as assistant agent,	825.01
Cullington, Oswald J., salary as plumbing inspector,	1,200.00
Vatter, Jacob, salary as sanitary inspector,	1,075.00
Doble, Roscoe, salary as clerk,	1,200.00

Carried forward,

\$5,500.01

Brought forward,	\$5,500.01	
Nevers, Harry H., M. D., salary as bacteriologist,	1,200.00	
Collins, Thomas H., M. D., salary as milk and meat inspector,	900.00	
Chambers, Joseph H., salary as meat and provision inspector, ..	190.00	
Lannon, Henry Jr., salary as meat and provision inspector,	467.50	
Bossler, Charles H., salary as member and chairman Board of Health,	120.84	
Brackett, Ralph A., salary as member of Board of Health,	60.42	
McKallagat, Peter L., M. D., salary as member of Board of Health,	60.42	
Conlon, F. A., M. D., salary as School Physician,	600.00	
Bannon, J. H., M. D., salary as School Physician,	600.00	
Moeckel, C. R., M. D., salary as School Physician,	600.00	
O'Connor, W. R., M. D., salary as School Physician,	600.00	
Schwartz, Meyer, M. D., salary as School Physician,	600.00	
		\$11,499.19
Paid for Hay and Grain.		
Bruckman, H.,	\$ 633.23	
Carney, M. & Co.	244.01	
Central Grain Store*	279.66	
Greene, E. W.	693.07	
Carried forward,	\$1,849.97	\$11,499.19

Brought forward,	\$1,849.97	\$11,499.19
McEnroe, John	141.28	
Richardson, A. W.	112.28	
Shea, John	651.34	
Stanley Grain Co.	2,475.33	
Theberge Bros.	1,884.12	
Webster, H. K. Co.	265.25	
		<hr/>
		\$7,379.57

Paid for Shoeing, Etc.

English, P.	\$ 45.25
Guenette, E.	20.41
Lane, D. M. Co.	81.56
Lane Shoeing Co.	23.69
Lockwood, J. H.	109.92
McKay, E. C.	52.32
Miller, Louis	75.00
Morris, George A.	122.92
Murdock, Robert	86.35
Murphy, M. A.	66.35
O'Brien, F. H.	67.15
Snow, Frank E.	75.43
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\$826.35

Paid for Wagons, Harness, Repairing and Hardware.

Calderwood, F. L.	\$ 141.30
Fuller Bros.	20.00
Hall Paint and Hardware Co.	47.40
Kress Bros. Carriage Co.	45.35
Kress, O. F. & Son	344.95
Lane, D. M. Co.	491.43
Lyons, John	63.85
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Carried forward,	\$1,154.28	\$19,705.11
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Brought forward,	\$1,154.28	\$19,705.11
Morrison, William40	
Mullen & Murch	5.92	
Peters, John	64.85	
Prescott, H. A.	154.55	
Robinson Hardware Co.	25.60	
Snow, F. E.	74.85	
Stanchfield, H. J. & Co.	144.56	
Treat Hardware and Supply Co...	18.20	

\$1,643.21

Miscellaneous Expenditures.

Abbott, F. N., serving writs,	\$ 6.88	
Abbott, R. M., spring water	4.20	
American Express Co., expressing,	10.75	
American Journal of Public Hy- giene subscription,	1.50	
American-Sun Pub. Co., reports, adv., etc.,	56.85	
67½ pp. report at \$1.03½	69.86	
Appleton, D. & Co., subscription ..	6.00	
Two books,	7.00	
Atkinson, W. H., keys, etc.	2.75	
Pegley, P. F., work with cart,	103.50	
Plandin & Beals, waste and leather,	4.95	
Boston, City of, aid furnished	10.71	
Boston & Maine R.R., freight, ...	.50	
One ticket, Lawrence to Portland, Me., and return,	3.60	
Coutwell, Walter, scrubbing and cleaning,	55.25	
Buckley & Sullivan, mat,	1.25	
Carried forward,	\$345.55	\$21,348.32

Brought forward,	\$345.55	\$21,348.32
Buell, H. A. & Co., soap, matches, etc.	6.21	
Call, Harry B., medicine,	3.35	
Callahan, Thomas, board of Charles Callahan,	79.02	
Cambridge, City of, aid furnished.	268.50	
Chambers, Joseph S., services, June 23 and June 24,	5.00	
Use of horse and carriage	66.50	
Coburn, C. B. Co., "No-Dust," ...	3.00	
Cole, A. L., stationery supplies, ..	42.62	
Collins, James, work with double team,	44.00	
Collins, Thomas H., M. D., car fare and expenses	109.22	
Commonwealth of Massachusetts, aid furnished,	358.80	
Cronin, Daniel, extra time heating office,	20.00	
Cyr, Emile E., professional services,	1.50	
Daniels, Dr. A. C., veterinary medi- cine,	19.75	
De Pree Chemical Co., fumigators,	146.88	
Devine, P. F., bag,	3.50	
Dick & Trumpold, 68 pp. report at \$1.14,	77.52	
Cards, reports, death returns, etc.	121.30	
Doble, Roscoe, cash paid for post- age,	49.89	
Doble, Roscoe, cash paid for ex- penses,	21.35	
Three 50-ride ticket to Boston, ..	60.75	
Carried forward,	\$1,854.21	\$21,348.32

Brought forward,	\$1,854.21	\$21,348.32
Donahue, Dan A., coat,	1.25	
Dronsfield, Fred, spring water, ...	8.07	
Dunn, Charles H., M. D., postage and mailing tubes,	1.68	
Dyer & Co., diaries, etc.,	2.10	
Edson Mfg. Co., hose and coupling,	27.45	
Eidam, C. H., M. D., professional services,	13.50	
Ellis & Harris Co., washing powder	.80	
Empire Laundry, towel supply, ...	39.00	
Fallon, J. R., serum,	12.00	
Fall River, City of, aid furnished,..	16.00	
Fretwell, Isabella, care of two chil- dren,	15.00	
Fuller Bros., horse hire and care,..	31.00	
Fuller, G. S., services and medicine	75.50	
Glover, W. H., medicine,	4.90	
Gray, Joseph A. Co., file ties,	6.79	
Greiner, Emil Co., apparatus,	5.00	
Hatch, C. F. Co., 500 boxes,	9.50	
Haverhill, City of, aid furnished,..	29.14	
Hewett, L. E., team hire,	3.00	
Hildreth & Rogers Co., postals, folders, books, etc.	60.00	
Hopkinson & Holden, swill buckets,	15.01	
Jaynes Drug Co., two basins, .....	.70	
Johnson, William, rent of tenement for family while quarantined, ..	8.00	
Keystone Oil Co., oil, .....	.55	
Ladies' Union Charitable Society, board and attendance,	31.57	
Lane, Daniel, horse hire,	45.00	
Carried forward,	\$2,325.72	\$21,348.32

Brought forward,	\$2,325.72	\$21,348.32
Lannon, Henry Jr., car fare,	10.80	
Board of horse,	100.00	
Lawrence Anti-Tuberculosis league, supplies and board,	4,940.83	
Lawrence Bindery Co., books, per- mits,	18.55	
Lawrence Gas Co., labor and ma- terial,	2.60	
Electricity,	219.34	
Lawrence Ice Co., ice,	26.85	
Lawrence Municipal Hospital, board and attendance,	350.86	
Lawrence Rubber Co., boots, horse cover, hose, etc.,	28.78	
Lecierc, V., work with double team	40.50	
Mass. State Sanatorium, board and treatment,	154.37	
McCarthy, P. A., services auditing accounts,	30.00	
McDonnell, T. E., 2 pairs of horses	1,050.00	
McKallagat, P. L., M. D., profes- sional services,	5.00	
Merchants Co-op. Express Co., ex- pressing,	5.10	
Mitchell, B. F., bottles and corks,...	4.00	
Musk & Lillis, repairing chairs and cushion,	3.00	
Neostyle Co., stencil, ink and paste,	4.20	
N. E. Tel. & Tel. Co., rental,	144.92	
New York, Dept. of Health, pre- ventative treatment for rabies,...	25.00	
Carried forward,	\$9,482.42	\$21,348.32

Brought forward,	\$9,482.42	\$21,348.32
North Reading State Sanatorium, board and treatment,	994.70	
Norwood, John K. & Co., insurance, ..	14.54	
Nugent Press, blanks,	5.00	
O'Mahoney, M. Est., coal,	92.51	
Page Broom Co., brooms,	10.50	
Pauper Dept. Pharmacy, medicine, ..	41.13	
Pingree, D. W. Co., lumber,	118.60	
Powell, Samuel, assisting manag- ing department 13 weeks,	39.00	
Public Property Dept., labor and material,	486.15	
Reid & Hughes Co., cuspidor, net- ting,	1.60	
Rushforth, W. E., cards, permits, etc.,	21.00	
Salem, City of, aid furnished,	86.00	
Sampson & Murdock Co., two di- rectories,	6.00	
Sanitas Co., disinfectants,	7.92	
Scarborough Co., map,	1.45	
Schwartz, M., M. D., professional services,	1.50	
Silver, Daniel, two badges,	1.50	
Smith & Bingham, work with double team,	44.00	
State Board of Health, four diph- theria culture outfits,	4.00	
Stone & Forsyth, combination pkg. with holders, etc.,	15.95	
Sullivan, J. J., team hire,	26.00	
Sutherland, P. & Co., oil and can, ..	1.20	
Carried forward,	\$11,502.67	\$21,348.32

Brought forward,	\$11,502.67	\$21,348.32
Sweeney, P. J. Co., piping and plumbing,	106.00	
Taylor, John L., milk,	2.80	
Telegram Pub. Co., advertising,..	15.00	
Theberge Bros., cement,	1.30	
work with double team, etc.,	293.25	
Thibeau, William, time when quarantined,	12.00	
Thomas, F. H. Co., supplies,	33.97	
Toye Bros., ice,	7.50	
Wagenbach, J. & Sons, work with double team,	34.00	
Wardwell, Wm. H., oil and polish, ..	11.25	
Water Dept., 1-3 of 75,210 lbs. coal, \$223,	74.33	
Whitall Tatum Co., corks,	2.58	
Whitney, J. F. & Co., harness oil,..	4.25	
Worcester, City of, aid furnished,..	44.43	
Worsman, Maria, nursing,	21.43	
Young, P. F., one book,	2.00	

\$12,167.76

Isolation Hospital.

Gavin, William, nurse and attendant	\$ 100.01
Hadfield, George H., rent of house, Papers,	84.00
Hadfield, Mrs. G. H., nursing,	1.59
Keefe, John J., labor and material,	50.00
Koerner, O. J., Jr., groceries,	3.50
Lawrence Gas Co., electric light, ..	61.83
Lawrence Ice Co., ice,	37.95
	.35

Carried forward,	\$339.23	\$33,516.08
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Brought forward,	\$339.23	\$33,516.08
Lynch, J. M., groceries and provisions,	24.52	
Nevers, H. A., M. D., professional services,	83.43	
O'Mahoney, M., Est., fuel,	120.98	
Reid & Hughes, supplies, .....	.34	
Roche, James T., milk,	10.40	
Sweeney, P. J. Co., plumbing and piping,	30.02	
		608.92
Pay Roll, men employed in department,	\$46,929.75	
		\$46,929.75
Total expenditure, year of 1910,...		\$81,054.75

INCIDENTAL DEPARTMENT.

Appropriation,	\$12,000.00
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\$12,000.00

Receipts.

Boston & Northern St. Ry. Co., re- pairing Union and Water streets, (Paving Loan 1909)	\$ 5,293.20
Hennessy, J., Treas., L. D. Com., refund on Labor Day appr.,	18.50
Arlington National Bank, balance on B. T. O'Connell's old account, .....	.25
Kaplan, Benjamin, peddler's license	25.00
Sareff, Samuel, peddler's license, ..	25.00
Orenstein, Simon, peddler's license,	25.00
Klein, Peter, peddler's license,	25.00
Sundry Persons, liquor licenses, ...	180,342.00
Winn, John, redeeming of tax title,	6.05
Crossley, Maude, redeeming of tax title,	12.88
Commonwealth of Massachusetts, corporation tax,	199,260.16
Flynn, James P., sale of land, Washington street extension, ...	500.00
Brogan, J. V. S. of W. & M., collec- tions,	741.57
Central Bridge Loan, 1906, transfer	20.00
Sundry Insurance Co.'s, insurance on Old High School building, ..	7,500.00
Commonwealth of Massachusetts, National Bank tax,	1,220.17
Carried forward,	\$395,014.78

\$12,000.00

Brought forward,	\$395,014.78	\$12,000.00
Military aid,	504.50	
Burial of indigent soldiers,	370.00	
Curran & Joyce Co, liquor license	417.85	
Old Colony Trust Co., ordinary city debt loan, 1910, bonds 1 to 160,...	160,000.00	
Premium,	3,088.00	
Interest,	515.55	
		\$559,910.68
		\$571,910.68

Expenditures.

White, William P., salary as mayor, Jan. 1, to July 25, 1910,	\$ 794.04
Cahill, John, salary as mayor, Aug. 30 to Dec. 31, 1910,	474.24
Shea, Richard J., salary as auditor, paymaster of State aid, and clerk of common council,	1,800.00
Carey, Jeremiah J., salary as In- specter of Buildings,	823.96
Nugent, J. T., salary as Fish Ward- en,	45.00
Ripon, Matthew DeGrey, salary as Mayor's Secretary, Jan. 1 to Aug. 29, 1910,	793.25
Manahan, E. Freeman, salary as Mayor's Secretary,	406.45
Fuller, George S., salary as Cattle Inspector,	200.00
Carried forward,	\$5,336.94

Brought forward,	\$5,336.94
Murphy, Daniel J., salary as City Solicitor,	800.00

\$6,136.94

Birth Returns.

Sundry Persons, birth returns,	\$ 714.00
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714.00

Death Returns.

Bennett, E. L.	\$ 17.00
Breen, John	84.50
Colby, W. W.	72.75
Conlin & Ryan,	17.75
Couture, J. H.	36.25
DeCesare, Frank	24.00
Devlin, George H.	1.50
Douglass, J. T.	5.25
Emmert, Julius B.	17.25
Hickey, A. & W.	12.00
Keefe, C. F.	9.00
Kibildis, P. ....	.25
Lacaillade, Eli	5.75
Lacaillade, Maurice	19.75
Legendre, Xavier G.	38.50
Mahoney, John D.	25.00
Mahoney, M. J.	37.00
McAuliffe, E. F.	12.25
Pitochelli, F.	2.75
Out-of-town undertakers,	3.75

\$442.25

Carried forward,

\$7,293.19

Brought forward,	\$7,293.19
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Miscellaneous Expenditures.

Allyn, W. C., automobile hire,	\$ 21.00
American-Sun Pub. Co., 1000 cards,	30.00
Inspector Building report, 36 pp.	
at \$1.03½,	37.26
Auditor's Report, 287 pp. at	
\$1.03½,	297.05
31 pp. Jury List, at \$1.03½,	32.08
58 pp. Past City Government, at	
\$1.03½,	59.83
20pp. New Ordinance, at \$1.03½	20.70
Advertising,	12.00
Bailey-Noonan Co., advertising, ..	7.00
3000 city bills,	13.50
Six books, coal delivery slips, ..	15.00
200 financial sheets,	10.00
600 city manuals,	98.50
Beach, I. E. Estate of, rent of city	
mission rooms,	250.00
Belknap, E. B., canvassing births, ..	92.30
Bennett, E. L., burial of two vete-	
rans,	70.00
Birmingham Pen Co., six penhold-	
ers,	1.40
"Bloody Brook Culvert" Loan of	
1910, amount allowed and or-	
dered transferred for additional	
extension of culvert,	9,000.00
Boston & Lawrence Express Co.,	
expressing, .....	.40
Boston & Maine, R.R., freight,	6.00
Three 50-ride trip books,	60.75
Carried forward,	\$10,134.77

Brought forward,	\$10,134.77	\$7,293.19
Bradshaw, Justin, J. & Co., scrap book,	2.25	
Breen, John, burial of five veterans,	175.00	
Brooks, T. A., hire of trip books to Boston,	12.35	
Cannon, G. C., engrossing resolutions to Thomas Hughes,	50.00	
Carter's Ink Co., ink,	8.00	
City Trust Co., prep. and certification of bonds,	165.00	
Clayton, George, frame for resolutions, Mr. Maloney,	9.50	
Cohen, Bennie, Sweeney & Cox, Atty., settlement of suit vs. city, ..	62.96	
Colby, W. W., burial of veteran, ..	35.00	
Cole, A. L., stationery,	25.98	
Commonwealth of Massachusetts, balance due on corporation tax, ..	88.12	
Commonwealth of Massachusetts, twenty-five per cent of liquor license fees,	45,084.50	
Cox, Louis, Postmaster, 3000 2c. stamped envelopes,	64.32	
Cunningham, James, Son & Co., one ambulance,	575.00	
Curran & Joyce Co., refund of liquor license, March 1 to May 1, '10	417.85	
Davey, Peter B., 13 tin boxes,	13.00	
Dempsey, Patrick, canvassing births and doctor's notices,	67.00	
Dick & Trumpold, advertising, ...	3.00	
Carried forward,	\$56,993.60	

Brought forward,	\$56,993.60	\$7,293.19
Dickey, C. M., entertaining of committee on cities,	14.40	
Dunton, William J., floral tribute for Ex-Mayor Hibbard,	25.00	
Dyer & Co., pens,	9.00	
Essex County Training School, care and instruction of truants,	2,040.56	
Felton, A. P., deposit on purchase price Rutter dam,	1,000.00	
Foster, H. W., carting, .....	.50	
Gillen, Patrick, settlement in full for injuries received,	50.00	
Glover, W. H., truss for veteran, ..	2.25	
Grand Army Posts and Spanish War Camps, amount allowed by City Council for Memorial Day observance,	1,450.00	
Halloran, W. F. & Co., electrical work,	10.05	
Hart, John J., clerical work performed for auditor,	25.25	
Hickey, A. & W., burial of veteran, ..	35.00	
Hildreth & Rogers Co., common council rolls,	11.00	
3000 bills,	10.50	
Printing briefs, etc.,	58.50	
Advertising,	29.00	
Hoff, Daniel W., engrossing resolutions, John T. Manion,	50.00	
Engrossing vote of thanks, J. J. McCarthy,	50.00	
Carried forward,	\$61,864.61	

Brought forward,	\$61,864.61	\$7,293.19
Hogan, John F., amount allowed burial agent,	12.00	
Hotel Needham, 19 plates at \$1.50, (Tuberculosis Comm.)	28.50	
Hughes, Thomas, expenses to Bos- ton,	5.00	
Johnston & Merhoff Co., 100 junk dealer badges,	28.50	
Jordan, Thomas, cash paid for postage,	1.00	
Kneupfer, R. G., automobile hire,..	50.00	
Lane, Daniel, one horse for ambu- lance,	350.00	
Lawrence Bindery Co., 300 dept. summary sheets,	22.00	
130 boxes,	13.00	
City documents in cloth and leather,	335.00	
94 vols. lettered at 25c,	23.50	
Lawrence Brass Band, three city concerts,	157.50	
Lawrence Gas Co., labor on band stand,	12.25	
Lawrence Military Band, two con- certs,	105.00	
Lawrence Sentinel, advertising, ..	6.00	
Leader Pub. Co., advertising,	7.00	
Leck, George H., negatives and prints,	11.50	
Library Bureau, folders, tray, cards, etc.,	6.83	
Carried forward,	\$63,039.19	

Brought forward,	\$63,039.19	\$7,293.19
Services auditing and systematizing city accounts,	6,265.00	
Mahoney, M. J., burial of three veterans,	105.00	
Massachusetts General Hospital, leather jacket for veteran,	16.00	
Massachusetts Specialty Co., sanitary fountain,	10.00	
McAllister Bros., repairing sofa and two seats,	11.00	
McWilliams, Joseph, canvassing births,	24.00	
Meek, H. M. Pub. Co., one doz. birth return books,	1.63	
Merrimac St. Paving Dept., amount transferred to balance overdraft,	823.75	
Morrow, William H., expenses to Boston,	2.25	
Meserve, H. M. & Co., ink,	2.65	
Mosher, J. A. & Co., delivering 75 frames,	7.50	
75 frames for city government certificates, 1908, 1909, 1910, ...	75.00	
Murphy, Daniel J., expenses in connection with office of city solicitor	225.69	
N. E. Tel. & Tel. Co., rental, .....	.95	
Nugent Press, envelopes and letter heads,	21.00	
200 postals,	4.50	
200 dept. tally sheets,	12.50	
O'Leary, D. & Co., two hacks, Mr. Tewksbury's funeral,	8.00	
Carried forward,	\$70,655.61	

Brought forward,	\$70,655.61	\$7,293.19
Use of horse, (Committee on poles and wires)	24.00	
Owens, C. J., amount allowed burial agent,	8.00	
Park—Jail Playstead, amount appropriated by city council for acquiring land and fitting up same as playstead,	7,500.00	
Pauper Farm Laundry, amount transferred by order of city council for erection of laundry,	5,000.00	
Paymaster of State Aid, amount disbursed under chapter 468, Acts of 1909, Military Aid,	996.00	
Amount disbursed under chapter 75, R. S. Soldiers' Relief,	4,916.00	
Ramsden, Frederick, canvassing births,	104.10	
Reardon, W. T., 500 postal cards and printing,	7.00	
7000 bill heads,	33.00	
Advertising,	7.00	
Register Pub. Co., advertising, ...	7.00	
Printing certificates 1907, 1909, ..	51.00	
Registry of Deeds, recording S. W. Veteran agreement, .....	.65	
Ripon, Matthew DeGrey, cash paid as witness fees,	6.20	
Rushforth, W. E., 30 pocket books,	47.25	
28 card certificates,	3.00	
Record book,	18.50	
Letter heads and envelopes,	16.50	
Carried forward,	\$89,400.81	

Brought forward,	\$89,400.81	\$7,293.19
1000 ruled orders,	7.00	
Advertising,	7.00	
300 cards,	2.50	
8 cushion stamps,	4.00	
600 notices,	6.00	
200 post cards and printing,	5.00	
2200 certificates,	11.50	
Ryan, J. P., Jr., canvassing births,..	101.00	
Sampson & Murdock Co., directory,	3.00	
Sawyer, H. F., copying 360 pages draft book at 20c per page,	72.00	
Transcribing and proving 431 1-3 pages of auditor's report, at 60c per page,	258.80	
School Dept., amount transferred by order of city council, for equipping five rooms in St. Pat- rick's school,	1,850.00	
Schueler, C. T. & Co., Mgr., adver- tising,	3.50	
Sharrock, William, gratuity allowed by city council,	330.00	
Shea, R. J., expense incurred on city business,	1.20	
Smith Premier Typewriter Co., supplies and repairs,	3.00	
Starke, Oscar J., amount allowed as burial agent,	2.00	
St. Mary's Church Society, grading and sodding lot, Spanish War Veterans,	15.00	
Carried forward,	\$92,083.31	

Brought forward,	\$92,083.31	\$7,293.19
Tarbox, John K.—Playground, ...	5,000.00	
Telegram Pub. Co., petitions,	4.62	
Advertising,	54.50	
Treasurer, July 4 celebration, amount appropriated by city council for celebration,	1,750.00	
Amount appropriated for pay- ment of bills in excess of appro- priation,	49.58	
Treasurer, Labor Day celebration, amount appropriated for celebra- tion,	1,000.00	
Amount appropriated for pay- ment of bills in excess of appro- priation,	34.50	
Treasurer of Columbus Day cele- bration, amount appropriated by city council for Columbus Day, ..	600.00	
Truth Pub. Co., advertising,	3.00	
Union Stamp Works, numbering machine and stamp,	22.00	
Vogel, Herman, J. P. S. Mahoney, Atty., settlement of claim vs city,	175.00	
Wade, E. J., stamped envelopes, ..	59.19	
Wagner & Matthes, dinners,	32.85	
Water Works Dept., stock and labor	262.13	
Water service,	1,759.46	
Weeks, B. L., paste and rubber bands,	3.15	
Western Union Telegraph, service,	.55	
Carried forward,	<hr/> \$102,993.84	

Brought forward,	\$102,993.84	\$7,293.19
White, William P., cash paid for 16 dinner, grade crossing committee and aldermen,	16.10	
Williams Carriage Co., hacking, ..	14.25	
Wills, A. J., automobile hire (Beverly officials)	20.00	
Winchester, J. F., services examining two horses,	10.00	
		\$102,954.19
Pay Roll, coal inspectors,	\$ 906.00	
		906.00
Pay Roll, ringing bells, February 22	2.25	
		2.25
Tuberculosis Hospital Loan of 1908 amount transferred by order of city council,	12,000.00	
		12,000.00
		\$123,155.63

License Commissioners' Salaries.

McCarthy, Daniel F., chairman, ..	\$ 500.00	
Mitchell, B. F.	400.00	
Clifford, James H., Jr.	400.00	
		1,300.00
Carried forward,		\$124,455.63

Brought forward,	\$124,455.63
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Miscellaneous Expenditures.

American-Sun Pub. Co., advertising,	\$	30.50
Bailey-Noonan Co., 600 blanks, ..		5.00
300 notices,		3.50
100 booklets,		17.50
2000 letter heads,		9.00
Cole, A. L., stationery,		3.60
Costello, Myles, services as janitor,		13.00
Dearborn, C. C., one filing cabinet,		10.00
Dempsey, Julia A., clerical work, ..		255.00
Hennessey, J., carriage hire,		3.50
Hildreth & Rogers Co., advertising,		30.50
O'Leary, D. & Co., carriage hire, ..		16.00
Reardon, Walter T., 630 blanks, ..		97.00
Stamped envelopes and printing,		26.00
Folders,		9.00
Sweeney, Patrick, Heirs of, rent of office,		240.00
Telegram Pub. Co., advertising, ..		15.50
Webb, E. J., four hours' driving for License Board,		4.00
Williams Carriage Co., hacking, ...		4.50

793.10

Inspector of Buildings.

Boston & Northern St. R.R., 2010 5c tickets,	\$	100.50
Carey, J. J., salary, (balance due, not allowed by Mayor White) ..		676.04
Cash paid for postage,		11.00
		\$787.54
Carried forward,		\$125,248.73

Brought forward,	\$787.54	\$125,248.73
Cole, A. L., paste, .....	.35	
Cox, Louis, postage stamps,	1.00	
Dick & Trumpold, annual report, 1909, 48 pp. at \$1.14,	54.72	
Dyer & Co., stationery, etc.,	5.35	
Empire Laundry, towel supply, ...	5.00	
Godfrey, W. H., four office chairs,	20.25	
Hildreth & Rogers Co., 800 build- ing permits,	11.00	
500 strips,	1.00	
200 books, Building Ordinances, ..	15.00	
500 envelopes,	3.00	
Cards,	1.00	
Lawlor, Martha C., clerical services,	40.00	
Lawrence Bindery Co., 10 book re- ports bound in cloth,	4.20	
Lawrence Gas Co., electricity,	9.48	
Moynihan, Margaret, labor, clean- ing office,	11.75	
N. E. Tel. & Tel. Co., rental,	95.07	
Nugent Press, printing and binding book,	13.50	
O'Riordan, F. D., carting,	6.00	
Reardon, Walter T., 500 envelopes,	2.00	
500 cards,	5.50	
500 applications,	9.00	
6 inspection books,	5.00	
1300 permits,	13.50	
Rushforth, W. E., six half-sheet cards,	1.50	
200 notices,	3.00	
500 letter heads,	3.00	
Carried forward,	\$1,127.71	\$125,248.73

Brought forward,	\$1,127.71	\$125,248.73
Sampson & Murdock Co. directory,	3.00	
Pay Roll,	447.00	

\$1,577.71

Sealer of Weights and Measures.

Salaries.

Brogan, J. V.	\$ 400.00
Murphy, Edward,	900.00

\$1,300.00

Miscellaneous Expenditures.

American Express Co., expressing,	\$ 2.19
American-Sun Pub. Co., advertising and tags,	26.75
Atkinson, W. H., locks, etc.,	4.00
Brogan, J. V., salary from July 1, 1909 to Aug. 31, 1910,	1,400.00
Dyer & Co., books,	3.45
Fuller Bros., horse hire,	325.50
Grey, Peter & Sons, five measures,	14.50
Gurley, W. & L. E., seals, volts, etc.	35.20
Hargraves, John J., rubber stamp, ink,	4.50
Hildreth & Rogers Co., 2000 slips, Advertising,	9.00
1000 seals,	22.00
Hobbs & Warren, book,	4.00
Marsh, T. E., dry measure gauge..	1.00
Merchants Co-op. Express Co., expressing,	1.50
Murphy, Edward J., salary from May 5 to Dec. 31, 1908,15
	590.00

Carried forward,	\$2,443.74	\$128,126.44
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Brought forward	\$2,443.74	\$128,126.44
Salary from Jan. 1, 1909 to Jan. 1, 1910,	900.00	
Quinn, John F., 1000 seals,	3.75	
Robinson Hardware Co., hardware, ..	11.73	
Telegram Pub. Co., advertising, ..	11.00	

\$3,370.22

Public Urinals.

McCarthy, John F., repairing plumbing,	\$ 15.22
Pay Roll,	45.94

\$61.16

Inspector of Milk.

Telegram Pub. Co., advertising, ..	\$ 6.00
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\$6.00

Mayor's Office.

Boston & Maine R.R., five trip books to Boston,	\$ 101.25
Bradshaw, Justin J. & Co., two scrap books,	2.50
Cole, A. L., ink wells,	11.99
Dyer & Co., paper, pads, diaries, etc.	10.75
Godfrey, W. H., desk and chair, ..	63.00
Halloran, W. F., electrical work, ..	4.49
Manahan, Ezra F., Jr., cash paid for postage,	2.00
N. E. Tel. & Tel. Co., rental,	25.17
Nugent Press, 200 telephone direc- tories,	10.00

Carried forward \$231.15 \$131,563.82

Brought forward	231.15	131,563.82
Rushforth, W. E., cards,	15.50	
100 copies Dept. Ordinances, ...	15.00	
2700 letter heads,	21.50	
4000 envelopes and letter heads,	20.00	
The Municipal printing,	15.00	
Seymour, George, opening desk and changing lock,	1.50	

\$319.65

Paving Loan of 1909.

Essex Street Walks.

Holland, Philip, return of work done under Essex St. grano- lithic sidewalk contract,	\$ 2,288.50	
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\$2,288.50

Water Street Paving.

Holland, Philip, hauling blocks, ..	\$ 36.09	
456 2-3 yds. paving blocks at \$1.50 per yd.,	685.00	
O'Mahoney, M. Estate, final re- turn work done on Water St. Paving contract,	1,563.16	

\$2,284.25

Sewer.

Cold Spring.

Gage, George L. Co., pipe,	\$ 47.25	
Holland, Philip, work with double teams,	155.00	
Mahoney's, D. D. Sons, rubber boots,	30.50	

Carried forward	\$232.75	\$136,456.22
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Brought forward	\$232.75	\$136,456.22
Merchants Co-op. Express Co., ex- pressing,65	
O'Brien, F. H., shoeing and labor on tools,	36.50	
O'Mahoney, M. Estate, pipe,	175.00	
Schwarzenberg, W. H., tools,	27.95	
Sibulkin, Simon, work with double team,	97.50	
Treat Hardware and Supply Co., hardware and tools,	22.85	
Wagenbach, Joseph & Son, work with double teams,	137.50	
Pay Roll,	3,100.37	

\$3,831.07

Melrose Street.

Dwyer, Robert J., nine pairs rub- ber boots at \$4.50,	\$ 40.50
Gage, George L. Co., cement,	13.00
Lawrence Lumber Co., lumber, ..	26.05
Mahoney's, D. D. Sons, five pairs rubber boots at \$4.00,	20.00
O'Mahoney, M. Est., pipe and ce- ment,	17.95
Robinson Hardware Co., pipe, ...	289.60
Treat Hardware and Supply Co., six tools,	36.87
Pay Roll,	1,711.05

\$2,155.02

Carried forward

142,442.31

Brought forward \$142,422.31

Middle Street.

Gage, George L. Co., pipe, \$ 16.56
 Pay Roll, 1,043.47

\$1,060.03

Bath Houses.

Bean & Poore, lumber, \$ 3.00
 Bride, Grimes & Co., labor and material, 3.50
 Dove Machine Co., Inc., labor and material, 1.30
 Evans, John J., putting in and taking out three bath houses, 750.00
 Moving bath houses off baseball site, 83.75
 Godfrey, W. H., burlap, 1.25
 Lawrence Drop Forge & Tool Co., material and labor, 95.90
 Lawrence Lumber Co., lumber, ... 101.27
 Livingston, John W., barrel hoops, etc., 25.36
 Schwarzenberg, W. H., hardware, 9.82
 Stanchfield, H. J. & Co., hardware, 12.45
 Treat Hardware & Supply Co., hardware, 10.29
 Pay Roll, 1,589.49

\$2,687.38

Spicket River Com'm of 1909.

American-Sun Pub. Co., advertising, \$ 7.00

Carried forward \$7.00 \$146,189.72

Brought forward	\$7.00	\$146,189.72
Austin, M. E. & Co., tools,	7.03	
Carney, John M., 200 days in- specter Lake St. sewer at \$3.50,	700.00	
Hildreth & Rogers Co., advertising,	7.50	
Linnehan Bros., amount due E. Haverhill St. sewer contract, ..	32.63	
O'Mahoney, M. Est., cement, hauling pipe, etc.,	320.09	
Amount due Lawrence St. sewer contract,	2,284.41	
Telegram Pub. Co., advertising, ..	10.50	
Wagenbach, J. & Sons, amount due Broadway and Lake St. sew- er,	2,124.83	
Pay Roll,	512.13	

\$6,006.12

Bruce School.

Bean & Poore, lumber,	\$ 10.20	
Briggs & Allyn Mfg. Co., lumber,	10.05	
Burlington Venetian Blind Co., blinds,	13.75	
Dove Machine Co., Inc., bolts, ..	1.99	
Hall Paint and Hardware Co., paint, shellac, etc.,	19.65	
Halloran, W. F. & Co., electrical work,	161.40	
Joyce, Thomas & James, mason work and plastering,	135.61	
Kenney, Bros. & Wolkins, desks and chairs,	924.87	
Lawrence Lumber Co., lumber, ..	148.32	
Carried forward	\$1,425.84	\$152,195.84

Brought forward	\$1,425.84	\$152,195.94
McCarthy, J. F., remodelling plumbing and heating,	455.00	
Quinn, John F., glass, varnish, etc;	38.60	
Regan, W. P., drawing additional rooms,	52.50	
Shufelt, A. D., tearing out entrance and bricking up same,	550.00	
Stanchfield, H. J. & Co., hardware,	48.40	
Treat Hardware and Supply Co., hardware,	3.36	
Pay Roll,	1,010.32	
		\$3,584.02

New High Typewriter Tables and Tarbox School Furniture.

Boston & Maine R.R., freight,	\$ 3.61	
Buckley & Sullivan, flat top desk,	12.00	
Kenney Bros. & Wolkins, tables, pedestals, desks, chairs, etc.,	370.39	
		\$386.00

Columbus Day.

Brainard, I. L., automobile hire, .	\$ 16.00	
Farley Awning & Decorating Co., decorating,	185.00	
Mahoney, M. J. Jr., automobile hire,	20.00	
Wills, A. J., automobile hire,	56.25	
Pay Roll, building reviewing stand,	11.48	
		\$288.73
Carried forward		\$156,454.59

Total expenditure, year 1910,		\$156,454.59
Overdraft for year 1909,	\$163,181.38	
		\$163,181.38
		<hr/>
		\$319,635.97
Amount transferred to various de-		
partments, accounts of 1910 over-		
draft,	\$252,274.71	
		<hr/>
		\$252,274.71
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		\$571,910.68
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LAWRENCE INDUSTRIAL SCHOOL DEPARTMENT.

Appropriation,	\$7,500.00	
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Receipts.

Dooley, W. H., collections,	\$3,905.66	
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		\$3,905.66
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Incidental Dept., transfer to balance overdraft,	\$8,490.44	
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		\$8,490.44
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		\$19,896.10
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Expenditures.

Salaries.

Arundale, Harry	\$1,200.00	
Cameron, John B.	1,200.00	
Hanley, John	1,200.00	
Thompson, Charles B.	1,200.00	

		\$4,800.00
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Miscellaneous Expenditures.

Ahern, A. B., soap, powder, etc.,	\$	4.81	
Alexander, C. I. & Sons, electrical supplies,		48.96	
American Book Co., school supplies		16.16	

Carried forward	\$69.93	
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		\$48 00.00
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Brought forward	69.93	\$4,800.00
American Express Co., expressing,	64.36	
American-Sun Pub. Co., 500 cards,	10.00	
Advertising,	21.00	
American Thread Co., bdlc 24 doz.		
200-yd. 6 cd.,	11.90	
Andren, Karl, electrical apparatus,	245.00	
Arundale, H. B., cash paid for		
merchandise,	3.70	
Atkinson, Mentzer & Grover, school		
supplies,	37.00	
Atkinson, W. H., keys and locks,..	20.60	
Babb, Edward E. & Co., school		
supplies,	38.14	
Bailey-Noonan Co., circulars, cuts,		
etc.,	39.00	
Barry, F. A., carting,	16.25	
Bingham, J. F. Mfg. Co., galv.		
troughs, tanks,	15.20	
Boston & Lawrence Express Co.,		
expressing,	6.85	
Boston & Maine R.R., freight, ...	78.22	
Bradshaw, J. J. & Co., scrap book,	1.75	
Bride, Grimes & Co., labor and		
material,	31.85	
Briggs & Allyn Mfg. Co., stock and		
labor,	18.71	
Browne & Sharpe Mfg. Co., reel,.	22.50	
Buckley & Sullivan, chairs, couch,		
etc.,	62.15	
Cannon's Commercial College, reso-		
lutions on death of Mr. Sum-		
mersby,	25.00	
Carried forward	839.11	

Brought forward	\$839.11	\$4,800.00
Ribbon,	5.72	
Engrossing 74 diplomas at 25c, .	18.50	
Cole, A. L., bands, ink, paper, etc.,	28.60	
Craven, Thomas, cleaning shafting, adjusting machinery, etc.,	17.88	
Davis Foundry Co., castings,	5.71	
Davis & Furber Co., pins and spin- dles, etc.,	23.01	
Dietzgen, Eugene, drawing material	4.50	
Division 8, A. O. H., rent of two rooms and top floor,	425.00	
Dooley, W. H., cash paid for post- age,	52.26	
Cash paid for expenses,	40.80	
Dyer & Co., blue print paper, en- velopes, ink, etc.,	48.41	
Electrical Equipment Co., electrical supplies,	42.74	
Empire Laundry, towel supply and laundry,	54.55	
Farley, George, care of machinery 18 hours at 50c,	9.00	
Faragher, P. J., plumbing, lead, etc.	89.97	
Firth, William Co., one Goodbrands No. 4 yarn assorting,	9.00	
Franklin House, 15 suppers, L. I. S. Committee,	9.50	
Fremmer, Mary, rent of first floor,	115.00	
Fuller Bros., use of team,	4.00	
Gebelein, Henry, repairing water supply and plumbing,	31.60	
Ginn & Co., school supplies,	46.72	
Carried forward,	1,921.58	

Brought forward,	\$1,921.58	\$4,800.00
Godfrey, W. H., shades, waste baskets, stools, etc.,	31.10	
Goodyear, Marshall Pub. Co., school supplies,	11.55	
Graton & Knight, slabs,	4.72	
Greenleaf, J. & Co., hardware, ..	21.40	
Greenwood, James & Son, stools, ..	3.00	
Gutterson & Gould, 1-in pine 750 lbs. tubes, vise	25.50	
350 lbs. at 1½, 2 pcs. shafting..	5.25	
Hall Paint and Hardware Co., hardware, etc.,	107.58	
Hammett, J. L. Co., school supplies,	76.63	
Hibblethwaite, J. B., needles, ....	.12	
Hildreth & Rogers Co., envelopes, letter heads, bills, advertising, etc.	29.50	
Holt, Shattuck & Co., band saw and freight,	86.54	
Houghton & Dutton, school supplies	1.96	
H. W. Johns-Manville Co., needles for meter,	15.00	
International Meter Co., 1 voltam- meter,	41.56	
Irvine, James, stove, pipe,	10.95	
Jameson, F. J., sponges,	18.19	
Johnson, G. T. Co., toilet paper, ..	5.50	
Jordan Marsh Co., school supplies,	23.28	
Kenefick, O. A., negatives and prints,	5.25	
Keogh, William, care of machinery 10 hours at 25c.	2.50	
Kidd, F. T., screens,	8.25	
Carried forward		\$2,456.19

Brought forward	2,456.91	\$4,800.00
Kolesch & Co., drawing material, ..	14.00	
Lane, D. M. Co., hangers, irons, brackets, etc.,	7.40	
Lawrence Bindery Co., design sheets and order books,	48.50	
Lawrence Gas Co., electricity,	354.15	
Gas,	13.36	
Carbons, etc.,	2.59	
Lawrence Lumber Co., lumber, ...	268.35	
Lawrence Rubber Co., hose and nozzle, bumpers,	16.13	
Leck, G. H., photographs,	9.00	
Lee, Ashton Co., acid,	6.98	
L. E. Knox Apparatus Co., school supplies,	6.30	
Livermore, H. F. Co., wrenches, ..	4.20	
Longmans Green Co., school sup- plies,	18.89	
Lord & Nagle Co., books,	3.53	
Lownison, Charles, micrometer, ...	15.00	
Lynch, C. F., plumbing and piping, ..	46.68	
Makepeace, B. L., pencils and school supplies,	65.64	
Maguire, L., subscription, Boston Herald,	4.40	
Mass. Institute of Technology, second-hand lathe,	100.00	
McCarthy, E. A., insurance,	32.50	
McGraw-Hill Book Co., school sup- plies,	8.50	
McKerrow, H. G. Co., bottles and time preparation samples,	5.00	
Carried forward		<u>3,508.01</u>

Brought forward	\$3,508.01	\$4,800.00
McLanathan, F. W. & Son, pulleys and belts,	113.31	
Merchants Co-op. Express Co., ex- pressing,	14.25	
Milton Bradley Co., school supplies	133.76	
Mosher, E. O. & Son, electrical supplies,	31.76	
Moss, C. E., 5 doz. sets drawing instruments,	174.00	
Mullen & Murch, twine, glass, naphthol,	3.85	
National Belting Co., belting,	28.95	
Neostyle Co., neostyle, paper, ink, etc.,	121.06	
N. E. Tel. & Tel. Co., rental,	98.40	
North Andover, town of, refund on tuition,	25.00	
Nugent Press, 500 envelopes, 500 letter heads,	5.50	
O'Brien, Thomas, lumber and labor,	28.50	
Old Bookstore, books, .....	.85	
Old Corner Bookstore, books,	7.02	
O'Mahoney, M. Est., fuel,	119.34	
O'Riordan, F. D., carting,	231.50	
O'Riordan, T., carting,	10.75	
O'Sullivan, James T., insurance, ..	60.89	
Pacific Mills, fire barrels and pails, etc.,	3.65	
Phonographic Institute Co., 14 amanuensis,	10.71	
Quinn, J. F., hardware,	31.70	
Reid & Hughes Co., school supplies,	92.10	
Carried forward,	\$4,854.86	

Brought forward,	\$4,854.86	\$4,800.00
Reuter, Louis, plants for graduation,	3.50	
Richards, Atkinson & Haserick, tape and bands,	2.65	
Ridlon, Frank Co., voltmeter,	12.00	
Robertson, Sutherland Co., cheese cloth and cups,	1.60	
Robinson Hardware Co., hardware,	214.96	
Rushforth, W. E., 1000 envelopes, 500 letter heads, programs, etc.,	44.00	
Sheldon, E. H. & Co., 10 vises, ...	31.88	
Singer Sewing Machine Co., rent of four machines,	62.00	
Slater, John Co., brushes, lifters, ..	1.15	
Smart, G. B. & Co., pipe and labor,	2.25	
Smith Premier Typewriter Co., ribbon coupons,	3.50	
Spencer & Richardson, insurance,..	34.50	
Stanchfield, H. J. & Co., hardware,	13.29	
Taylor, W. L., carting,	5.30	
Telegram Pub. Co., advertising, ..	18.00	
Thompson, A. T. & Co., objectives for reflectoscope and parts,	94.51	
Treat Hardware and Supply Co., hardware,	4.70	
Trustees of White Fund, rent of Workingmen's College,	21.28	
Ward, E. T. & Sons, steel,	1.90	
Weld Bobbins and Spool Co., bobbin wood, bobbins,	10.92	
Western Electric Co., electrical supplies,	71.27	
Carried forward		5,510.02

Brought forward	\$5,510.02	\$4.800.00
Whitall-Tatum Co., school supplies,	27.43	
White, J. E. Co., belt and waste, ..	21.38	
Wiley, F. S., care of machinery		
43 hours at 50c.	21.50	
Wilkinson, A. J. & Co., trimmers		
and scissors,	25.65	
Woolworth, F. W. & Co., supplies,	16.49	
Wurzbacher, J. & Sons, pipe, iron,		
labor, etc.,	27.62	
Youlden, Smith & Hopkins, mov-		
ing supplies,	4.50	
		\$5,654.59
Pay Roll, teachers,	\$ 5,588.00	
		5,588.00
Pay Roll, janitors,	\$ 903.35	
		903.35
Pay Roll, clerk,	\$ 446.66	
		446.66
Pay Roll, evening teachers,	\$ 2,503.50	
		2,503.50
		<u>\$19,896.10</u>

LIGHTING DEPARTMENT.

Appropriation, \$40,000.00

\$40,000.00

Receipts.

Incidental Dept., transfer to bal-
ance overdraft, \$18,010.03

\$18,010.03

\$58,010.03

Expenditures.

Lawrence Gas Co., lighting, \$58,010.03

\$58,010.03

MILITARY DEPARTMENT.

Appropriation, \$1,200.00

\$1,200.00

Expenditures.

Andover, Town of, taxes,	\$ 30.53
Bay State Mil. Rifle Assn., use of range,	23.02
Halloran, W. F. & Co., electrical work,	36.55
Hannagan, Paul, G'd'n., rent of land,	225.00
O'Mahoney, M. Est., fuel,	41.00
Pingree, D. W. Co., lumber,	2.50
Stanchfield, H. J. & Co., sash cord,	2.14

Carried forward, \$360.74

Brought forward,	\$360.74	
Water Works Department, amount received from Commonwealth of Massachusetts and credited to Mil. Dept. through error,	24.00	
		<hr/> \$384.74
Pay Roll,	\$767.50	
		<hr/> 767.50
		<hr/> \$1,152.24
Unexpended balance, Dec. 31, 1910,	\$47.76	
		<hr/> 47.76
		<hr/> \$1,200.00
		<hr/> <hr/>

PARK DEPARTMENT.

Appropriation,	\$9,000.00
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\$9,000.00

Receipts.

Kelley, Isaac, collections,	\$ 3.30
Kelley, Isaac, rent from Harry Caras,	32.00
Traveler's Insurance Co., accident insurance,	34.00
Sundry Persons, moth assessments,	93.90
Paving Loan of 1910, transfer, ...	2,600.00
Crescent Park, transfer,	114.80
Moth Extermination Department, transfer,	1,729.24

\$4,607.24

Incidental Department, transfer to balance overdraft,	\$3,170.76
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\$3,170.76

\$16,778.00

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Expenditures.

Salary.

Kelley, Isaac, salary as superintendent,	\$1,200.00
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\$1,200.00

Miscellaneous Expenditures.

Arundel, E. L., liability and workmen's policy,	\$ 200.00
Barrett, Mfg. Co., 1 bbl. Creosote,	9.00
Boston & Maine R.R., freight, ...	2.06
Two 50-ride tickets,	40.50
Briggs & Allyn Mfg. Co., lumber, ..	1.50
Caffrey, A. A., coal,	101.50
Calderwood, F. L., harness parts, repairing, etc.,	49.30
Carroll, M., snow plowing and work with double team,	6.75
Carroll, M. & Son, plowing and hauling snow,	12.00
Carroll, W. J., 34 loads loam,	25.50
Cole, A. L., journal, diary, etc., ..	2.93
Costello, Myles, services as janitor, ..	12.00
Cox, L. S., Postmaster, stamps, ..	11.24
Donlan, J. Edward, paint and labor	191.93
Fuller Bros., use of team,	12.00
Hanrahan, W. J. & Co., refreshments for park commissioners, ..	12.20
Hart Foundry Co., 56 settee legs, ..	66.50
Hildreth & Rogers Co., pay bills and notices,	26.50
Carried forward,	<hr/> \$783.41

Brought forward,	\$783.41
Horne, G. W. Co., labor and material, "Convenience Station," ..	38.67
Horskin, A. D., repairs,	7.75
Howard, J. F., M. D., professional services,	11.00
Keeble, A. K., labor and material, ..	34.32
Kelley, Isaac, expenses to Boston inspection playsteads, self and commissioners,	15.00
Kepple, A., iron bolts,	1.90
Kimball, M. I. & Co., Bon-Ami, powder,	6.25
Kneupfer, R. G., automobile hire, ..	34.00
Kress Bros. Carriage Co., sharpening picks, etc.,	1.10
Lane, D. M. Co., shoeing, rubber tires and repairing,	82.68
Lawrence Gas Co., electricity, ...	171.49
Lawrence Lumber Co., lumber, ..	195.72
Lawrence Rubber Co., 3 doz. tips, ..	1.08
Mann, J. Edward, polish,	13.13
McCarthy, J. F., repairing fence, etc.,	32.29
McCarthy, J. W., balance due on Ward One Playground contract, ..	450.00
McManmon, J. J., plants and trees, ..	147.50
Mitchell, B. F., repairing pump, etc.,	3.00
Mosher, E. O. & Son, labor and material,	15.60
Mullen & Murch, creolin, pyrocarbolic,	5.50
N. E. Tel. & Tel. Co., rental,	22.92
<hr/>	
Carried forward,	\$2,074.31

Brought forward,	\$2,074.31	
Price, R. T., plants,	33.79	
Public Property Department, board of two horses for 12 mos. and 1 for 7 days,	436.20	
Rae, W. P., six loads sand,	7.50	
Reid & Hughes Co., shades, mops, ..	5.60	
Rutter & Lane, 1 bay mare,	225.00	
Stanchfield, H. J. & Co., hardware, ..	358.93	
Sweeney, Patrick, Heirs of, office rent of	120.00	
Thornton Bros., plants and bulbs, ..	51.00	
Toye Bros., 65,750 lbs. ice,	82.19	
Tredennick, paint,	7.60	
West Disinfectant Co., 1/2 bbl. liquid soap, (32 gal.)	48.00	
Wingate, C. E., plants,	64.86	
		\$3,514.98
Pay Roll, men employed in depart- ment,	\$12,063.02	
		12,063.02
Total expenditure, year of 1910, ..		\$16,778.00

MOTH EXTERMINATION DEPARTMENT.

Appropriation,	\$5,000.00	
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		\$5,000.00
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Receipts.

Incidental Department, transfer to balance overdraft,	\$193.39	
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		193.39
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		\$5,193.39
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Expenditures.

American Express Co., expressing,	\$ 1.05	
Barrett Mfg. Co., 1 bbl. black creosote,	8.84	
Boston & Maine R.R., freight, ...	1.86	
Carroll, M. work with sprayer, ..	110.25	
Church, S. B., labor and material	19.82	
Grassell Chemical Co., 4 bbls. arsenate of lead paste,	164.07	
Hart Foundry Co., 23 castings, ..	2.30	
Lawrence Rubber Co., 150 feet hose and nozzles,	34.66	
Carried forward,	\$342.85	

Brought forward,	\$342.85	
Mullen & Murch, gasoline and polish,	7.25	
N. Y. & Boston Bag Co., 2000 yds. burlap and 50 lbs. twine,	81.38	
Park Department, wages of em- ployees on moth work,	1,729.24	
Stanchfield, H. J. & Co.,	6.59	
		<hr/>
		\$2,167.31
Pay Roll,	\$3,026.08	
		<hr/>
		3,026.08
		<hr/>
Total expenditure, year of 1910, ..		\$5,193.39
		<hr/> <hr/> <hr/>

WARD 1 GROUND AND PLAYSTEAD DEPARTMENT.

Unexpended balance, Jan. 1, 1910,	\$2,000.00	
	<hr/>	
		\$2,000.00

Expenditures.

McCarthy, J. W., payment as per contract,	\$2,000.00	
	<hr/>	
		\$2,000.00
		<hr/> <hr/>

JOHN K. TARBOX GROUND AND PLAYSTEAD
DEPARTMENT.

Unexpended balance, Dec. 31, 1910,	\$5,000.00	
	<hr/>	
		\$5,000.00
		<hr/> <hr/>

 WARD 6 GROUND AND PLAYSTEAD DEPARTMENT.

 Unexpended balance, Jan. 1, 1910, \$5,000.00

 \$5,000.00

Expenditures.

Essex Company, lot of land,	\$2,600.00
B. & M. R. R., freight,	18.65
Keeble, A. K., iron stand,	21.90
Lawrence Lumber Co., lumber, . . .	35.71
McCarthy, J. F., putting up swings	216.29
O'Mahoney, M., cement,	4.50
The Taylor Fence Co., merry-go-	
round,	275.00

\$3,172.05

 Unexpended balance, Dec. 31, 1910, \$1,827.95

 \$1,827.95

 \$5,000.00

WARD 4 (REAR OF JAIL) GROUND AND PLAYSTEAD
DEPARTMENT.

Incidental Department, transfer, .. \$7,500.00

\$7,500.00

Expenditures.

Brown, Sarah J., lot of land, \$2,400.00

Silverman, Mary and Sarah, lot of
land, \$3,100.00

The Taylor Fence Co., merry-go-
round, \$275.00

\$5,775.00

Unexpended balance, Dec. 31, 1910, \$1,725.00

\$1,725.00

\$7,500.00

CRESCENT PARK DEPARTMENT.

Unexpended balance, Jan 1, 1910,	\$800.00
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\$800.00

Expenditures.

O'Mahoney, Est. M.,	\$ 22.00
Trussell, O. N. & Co., cutting,	
setting edgestones,	390.00
Shea, John, lawn seed,	20.20
Pay roll, men employed by super-	
intendent of Park Department, ..	253.00
Park Department, transfer,	114.80

\$800.00

 PAUPER DEPARTMENT.

 Appropriation, \$45,000.00

\$45,000.00

Receipts.

Stanley, J. J. Supt., collections, ..	\$1,830.77
Commonwealth of Massachusetts,	
support of sick paupers,	1,803.43
Temporary aid,	3,663.34
State Board of Charity,	1,077.24
Burial of paupers,	1,022.00
Cities and Towns, aid furnished,..	1,990.02
Health Department, transfer,	41.13
Police Department, transfer,	21.73
Tuberculosis Department, transfer,	25.08
Incidental Department, transfer ..	5,000.00

\$16,474.74

Incidental Department, transfer to	
balance overdraft,	\$25,486.99

25,486.99

 \$86,961.73

Expenditures.

Salaries.

Kiley, Daniel F., salary as clerk, ..	\$1,000.00
Riley, Timothy M., salary as as-	
sistant clerk,	800.00
Deacy, John, salary as assistant	
clerk,	750.00

Carried forward

\$2,550.00

Brought forward		\$2,550.00
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Overseers of Poor.

Callahan, William H.,	\$37.50
Scanlon, M. A.	37.50
Schueler, H. C.	37.50
McMahon, John J.	37.50
Patterson, John A.	37.50
Moran, P. J.	37.50
Ray, F. C.	37.50
Daley, D. D.	37.50

\$300.00

Ward Physicians.

Riordan, W. D., M. D.	\$100.00
Sullivan, J. J., M. D.	100.00
Walch, J. H., M. D.,	150.00
Mulholland, B. J., M. D.	100.00
Redmond, T. H., M. D.	100.00
Cyr, E. C., M. D.	50.00
Hughes, P. J., M. D.	50.00

\$650.00

Paid for Groceries and Provisions.

Abbott, N. S. Co.	\$ 4.00
Aboard, Alex.	14.00
Adler, A.	44.00
Ahern, A. B.	384.00
Alberts, W.	28.50
Alberts, W.	8.00
Alberta, W.	16.00
Alboral, Alex.	36.00
Archambeault, J. A.	161.50

Carried forward	\$696.00	\$3,500.00
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Brought forward	\$696.00	\$3,500.00
Ashton, Samuel	278.00	
Attesi, Filip	55.00	
Awn & Co.,	4.00	
Bailey, M. J.	109.50	
Barrett, M. F.	72.00	
Barry, Mary J.	178.50	
Bartley, Ellen	4.00	
Batest, R.	18.00	
Batisto	14.00	
Bazin, A. M.	42.00	
Bauckowski, J.	4.00	
Bennert, E. A.	3.50	
Bennert, Walter	21.50	
Bevin, Samuel, Mrs.	20.00	
Bogacy, Stanislaw	87.00	
Bonanno, D.	8.00	
Bosch, G. H. Jr.	20.00	
Boyle, Patrick	66.00	
Bozis, A.	40.00	
Bresnahan, Mrs. Mary	96.00	
Buell, H. A. & Co.	597.50	
Burns, Edward	16.00	
Cadorette, Leon & Co.	3.00	
Cadorette, Leon & Son	82.00	
Callahan, Mrs. William	8.00	
Casey, A.	16.00	
Chabis, Paul	77.00	
Chietys, Jehon	2.50	
Connelly, John L.	484.00	
Connelly & Walker	32.00	
Contarino, E.	97.00	
Cote, Eugene	148.00	
Cookhill, J. & Co.,	100.00	
Carried forward	\$3,500.00	\$3,500.00

Brought forward	\$3,500.00	\$3,500.00
Crawley, J. H.	102.00	
Cronin, J. J.	302.00	
Cronin, Patrick	31.00	
Crosbie, E. S.	18.00	
Croteau, H. J.	221.00	
Currier, J. M. & Co.	246.50	
Daigle, David	173.50	
Daly, John	171.00	
Daly, William	62.50	
D'Andreta, Charles	59.00	
Dehullie, Emil	4.00	
Deluka, Ben.	2.00	
Demers, Albert	147.00	
Demers, C.	65.00	
Dion, F.	120.00	
Dionne & Co.	245.50	
Dipillo, R.	120.50	
Di Primo, Phillip	43.50	
Djozzo, A.	2.00	
Dooling, T. J.	490.50	
Dubeau, A.	5.00	
Duchesneau & Courtemarche	26.00	
Ellis & Johnston	328.50	
Espinola & Silva	283.00	
Faro, C.	32.00	
Ferguson, R. J.	121.50	
Fielden, Mark	140.00	
Finegan, J. J.	1,197.00	
Fitzpatrick, Daniel	165.00	
Flanagan, M.	101.00	
Fluet, A. & Co.	94.50	
Gagne, F.	6.00	
Garvey, Bros.	248.00	
Carried forward	\$8,874.00	\$3,500.00

Brought forward	8,874.00	\$3,500.00
Gendron, W.	220.00	
German Co-op. Ass.n'	105.00	
Gilson, Mrs. Mary	52.00	
Gingras, Abdon	156.00	
Gingras, Alfred	202.50	
Goldhuber, Israel	5.00	
Goldhuber, Samuel	39.00	
Great Atlantic & Pacific Tea Co. ..	72.00	
Griffin, James J.	185.00	
Hadley, G. H., Assignee	30.00	
Hamilton, Mrs. Robert	176.00	
Harris, J. R.	197.50	
Hartnett, Mrs. H.	272.00	
Harwood, Samuel	96.00	
Hatem, W.	18.00	
Herzog, Herman	30.00	
Jelcowski, B.	372.50	
Keefe Bros.	373.00	
Kiley, J. J.	22.00	
Kiley, W. J.	521.50	
Klinger, John	67.00	
Koerner, O. J. Jr.	316.00	
Kondrat, D.	166.00	
Kremgold, David	60.00	
Lacaillade, A. E.	231.00	
Lamontagne, M.	115.00	
Lanouette, E.	89.50	
Latham, W. & Co.	39.00	
Lawrence Market Co.	718.00	
Leisner, R. E.	10.00	
Leone, S.	40.00	
Lucito, S.	10.00	
Lynch, John M.	470.50	
Carried forward	\$14,351.00	\$3,500.00

Brought forward	\$14,351.00	\$3,500.00
Maccron, M.	26.00	
Magoon Bros.	51.00	
Maloney, P.	302.50	
Manderson, W. J.	304.50	
Markey, M. F.	113.00	
Morse, J. A.	2.00	
Martin, M.	578.00	
Martini, A.	5.50	
Mattera, G.	35.00	
McCann Bros.	172.00	
McEneaney, Peter	355.50	
McEneaney, T. J.	480.00	
McEvoy, P. J.	158.50	
McHenry, Mrs. F.	26.00	
McQuillan, P. J.	297.50	
Mercier Bros.	126.00	
Merrill, C. H.	47.00	
Miller, H. & Son	42.00	
Miller, R.	406.00	
Morehouse, J. D.	8.00	
Morin, Mrs. A.	2.00	
Morin's Market	50.50	
O'Brien Bros.	88.00	
O'Brien, John P.	307.50	
O'Conner, P. J.	16.00	
O'Connor, P. J.	96.00	
O'Keefe, M.	2.00	
Orich, J. Co.	9.00	
Pagliuso Bros.	137.50	
Pauk, M.	13.50	
Pepe, James	20.00	
Pepe, Philip	113.00	
Pettoruto, D.	28.00	
Carried forward	\$18,770.09	\$3,500.00

Brought forward	\$18,770.00	\$3,500.00
Pitechelli, F.	20.00	
Polizotti, G.	26.00	
Potvin, N.	196.00	
Prescott, A. L.	18.00	
Razzo, A.	26.00	
Roach, Mrs. Margaret	17.50	
Romasuglia, T.	3.00	
Rosch, J. N.	4.00	
Rosenburg, Abraham	168.50	
Ryan, Patrick	2.00	
Saliba, M. E.,	54.00	
Salavitch, G.	3.00	
Sapienza, Gaetano	24.00	
Sapienza, Santo	46.00	
Sarcione, D.	153.00	
Sarolli, C.	8.00	
Shaheen, Joseph	233.50	
Sheedy, W. F.	656.50	
Shine, Timothy	587.00	
Shine, T. H.	333.50	
Sholik, John	36.50	
Silva, Joseph	6.00	
Silverman, Lena	30.00	
Silverman, Rose	222.00	
Simon, Peter	45.00	
Simpson, J. W.	46.00	
Smith, E. C. & Co.	19.00	
Sparzino, S.	26.00	
Sullivan, D. P.	190.00	
Sullivan J. D.	286.50	
Sweeney, Nellie V.	329.00	
Swift, Charles	37.00	
Sztucinski, John	68.00	
Taylor & Davis	6.00	
Carried forward,	<u>\$22,296.59</u>	

Brought forward,	\$22,696.59	\$3,500.00
Teschner, A.	90.00	
Theberge, A. D.	14.00	
Torrise, Antonio	16.00	
Torrise Bros.	46.00	
Twomey, Jeremiah	42.00	
Voyer, Mrs. J.	22.50	
Walsh, T. F.	446.00	
Weigel, G. O.	173.00	
Whalen, G. J.	35.50	
White, E. P.	186.50	
Whitman-Hudson Co.	4.00	
Wilson, J. J.	76.00	
Yurkewicz, Mark	10.00	
Zanchowsky, John	12.00	
Zapala, A.	15.00	

23,885.00

PAID FOR FUEL.

Bateman, George S.	125.00
Caffrey, A. A.	65.50
Carroll & Casey	173.50
Carroll, M.	2.00
Carroll, M. & Sons	147.50
Casey Bros.	124.00
Cronin, J. J.	5.50
Cross, John S. Co.	145.00
Desmond, J. J.	328.00
Evans, J. J.	21.00
Ewald & Hoffman	43.00
Ferguson, R. J.	39.00
Fluet, E.	67.50
Fredette, J. B.	24.50

Carried forward \$1,311.00 \$27,385.00

Brought forward,	\$1,311.00	\$27,385.00
Gage, Geo. L. Co.	148.00	
Guilmette, Joseph	14.00	
Heffron, W.	1.00	
Hey, John W.	95.50	
Humphrey, E. H.	61.50	
Jelcowsky, B.	8.00	
Kress, Herman	33.50	
Lamontagne, A.	2.00	
Leclerc, V.	11.00	
Morin, Mrs. A.	5.50	
Morin's Market	73.50	
O'Mahoney, M. Est.	150.00	
Quimby, J. F.	47.00	
Roberts, Joseph	30.00	
Runnells, O. E.	48.50	
Scanlon, E. J.	19.50	
Skeirick, Hanna	9.00	
Theberge Bros.	42.50	
Zilli, Peter	10.50	

\$2,121.50

PAID FOR BURIALS.

Bennett, E. L.	17.00
Breen, John	146.00
Cemetery Dept.	89.00
Colby, W. W.	56.00
Conlin & Ryan	15.00
Couture, J. H.	200.00
Dcesare, Frank	253.00
Keefe, Charles H.	32.00
Kibildis, Peter	20.00
Legendre, X. G.	97.00
Mahoney, J. D.	99.00
Mahoney, M. J.	70.00

Carried forward	\$1,094.00	\$29,506.50
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Brought forward	\$1,094.00	\$29,506.50
McAuliffe Bros.	20.00	
Pitochelli, F.	119.00	
Sarkis, E.	7.00	
St. Mary's Church Society	273.00	
Vinas, Rev. E.	18.00	

 1,531.00

PAID CITIES AND TOWNS FOR AID FURNISHED.

Adams, Town of	29.50
Andover, Town of	9.00
Boston, City of	527.29
Cambridge, City of	9.81
Fall River, City of	208.00
Greenfield, Town of	10.50
Haverhill, Town of	51.18
Holyoke, City of	21.98
Leominster, Town of	28.47
Lowell, City of	277.92
Lynn, City of	50.00
Malden, City of	18.00
Medford, City of	74.64
Methuen, Town of	198.50
New Bedford, City of	13.00
Newton, City of	115.55
Norton, Town of	38.00
Recere Town of	15.00
Salem, City of	47.45
Somerville, City of	80.00
Springfield, City of	29.00
Waltham, City of	6.00

 Carried forward \$1,858.79 \$31,037.50

Brought forward	1,858.79	\$31,037.50
Winchester, Town of	22.75	
Worcester, City of	27.14	
fff		
		1,908.68

MISCELLANEOUS EXPENDITURES.

American & Sun Publishing Co., 15½ pp. report at \$1.03½	16.04	
Applebaum, Mrs. F. L., cash paid for R. R. tickets to N. Y.	8.50	
Bailey-Noonan Co., books	70.00	
Boston & Maine R. R., freight	18.21	
Byron Truell Co., hose and cloth ..	1.98	
Carey, Martin Jr., clipping horse ..	2.50	
Carter, Clark, cash paid for R. R. ticket to Indiana	22.68	
Cole, A. L. stationery	6.50	
Cornu, Auguste, carting furniture ..	3.00	
Dick & Trumpold, annual report for 1909, 17 pp. at \$1.14	19.38	
Dyer & Co., stationery	8.70	
English, P., shoeing	10.45	
Fairbanks, J. L. & Co., 1 register to order	20.00	
Fuller Bros., hire of buggy	1.50	
Gabeler, Dr. A. W., dental work ..	1.25	
Hamel, N., moving furniture	10.00	
Hennessey, J., hacking	1.00	
Hildreth & Rogers Co., letters	7.00	
Hurley, Elizabeth, typewriting re- port	8.00	
Kiley, D. F., cash paid for stamps, R. R. ticket and expenses	210.03	
Carried forward	\$449.72	\$32,946.18

Brought forward	\$449.72	\$32,946.18
R. R. tickets and expenses	210.03	
Lane, Shoeing, Co., shoeing	11.50	
Lawrence Bindery Co., filing boxes	9.00	
Lawrence Rubber Co., bands	1.38	
Legendre, X. G., cash paid for ticket to Canada	8.60	
Library Bureau, oak case	25.00	
Lord, Geo. & Son., boots and shoes	29.50	
Mahoney, Kane, moving furniture	5.00	
Mahoney, D. D., Sons, shoes	9.50	
Mass. General Hospital, shoes for lame girl	23.00	
Merchants Co-op Express Co., expressing .....	.80	
N. E. Tel. & Tel. Co., rental	6.72	
Nye, A. E., 1 pair spectacles	2.50	
O'Reilly, Rev. J. T., cash paid for transportation in tuberculosis case	10.00	
O'Riordan, F., carting .....	.50	
Register Pub. Co., book, folders, printing, etc.	47.00	
Rogers, Margaret A., cash paid for expenses, glasses, etc	8.93	
Rushforth, W. E., envelopes, post cards, printing, etc.	48.50	
Sampson, Murdock Co., directory	3.00	
Schueler, C. T., mgr., pamphlets ..	11.00	
Union Stamp Works, dates, stamps, etc.	4.05	
Williams Carriage Co., hacking ..	3.00	
Williams, F. S., board of horse	300.00	
Williams, F. S., cleaning horse	1.00	
Carried forward	<u>\$1,016.20</u>	<u>\$32,946.18</u>

Brought forward	\$1,016.20	\$32,946.18
Winchester, J. F., D. V. S., services and medicine	12.90	
Wood, Duncan, passage	22.25	
		1,051.35

Paid Institutions—Board and Care.

Ladies' Union Charitable Society ..	51.00	
Massachusetts, Commonwealth of	324.38	
Massachusetts, Commission for the Blind	45.43	
Massachusetts Hospital School	891.41	
Sisters of Charity	2,678.23	
Working Boys' home	169.00	
		4,159.45
Sundry Persons, board	371.50	
Sundry Persons, rent	237.50	
		609.00
Total Expenditure, Outside Poor		38,765.98

PAUPER—ALMSHOUSE DEPARTMENT.

Expenditures.

Stanley, James J., salary as superintendent	800.00	
Dow, George W., M. D., salary as City Physician	750.00	
Total,		\$1,550.00

Paid For Groceries and Provisions.

Ahern, A. B.	138.35	
Arnold, Winsor Co.	13.97	
Bailey, M. J.	534.81	
Barrett, M. F.	22.43	
Bernardin, M.	27.40	
Bossler, C. H.	136.89	
Bradbury, H. L.	25.43	
Buell, H. A. & Co.	8.71	
Connelly & Walker	21.96	
Cronin, J. J.	107.12	
Cudahy Packing Co.	18.00	
Currier, J. M. & Co.	158.57	
Currier, W. M. & Co.	21.00	
Daly, John	452.34	
Daly, Wm.	97.14	
Dooling, T. J.	15.00	
Emmert, Max O.	50.89	
Carried forward,		\$1,850.01

Amounts brought forward,	\$1,850.01	\$1,550.00
Finnegan, Jas. J.	893.50	
Fitzpatrick, Daniel	353.10	
Fleischman Co.	42.00	
Garvey Bros.	1,031.95	
Gingras & Kennedy	421.00	
Griffin, James	115.66	
Hadley, Geo. H. Co.	4.25	
Harris, J. R.	247.25	
Howarth, W. H.	23.84	
Keefe, W. H.	1,139.72	
Kiley, W. J.	171.39	
Kimball, M. I. & Co.	49.25	
Lawrence Market Co.	452.27	
Loose-Wiles Biscuit Co.	15.57	
Lynch, John M.	334.17	
Maloney, P.	495.23	
Mansfield, Whitman & Co.	122.50	
Markey, M. F.	499.58	
Martin, M.	362.38	
McCann Bros.	26.55	
McEneaney, P. A.	173.39	
McEneaney, T. J.	183.41	
McQuillan, P. J.	75.80	
Miller, H. & Co.	40.19	
Miller, R.	706.37	
Moran Bros.	64.75	
Muehlig, E. J.	17.50	
Murphy, J. A.	14.71	
Newbury Fish Market	13.32	
O'Brien Bros.	469.95	
O'Brien, John P.	326.45	
O'Connor, P. J.	34.15	
Oriental Tea Co.	64.90	
Amounts carried forward,	\$10,836.06	\$1,550.00

Amounts brought forward	\$10,836.06	\$1,550.00
Poore, E. E.	63.85	
Potter and Wrightington	14.38	
Ragus Tea & Coffee Co.	55.00	
Ryan, Mary A.	60.70	
Saunders, J. F.	90.00	
Shine, T.	77.50	
Shine, T. H.	15.04	
Simpson, J. R. & Co.	404.55	
Small, Henry Co.	42.44	
Smith, E. C. & Co.	57.82	
Sullivan, C. F.	64.80	
Sullivan, D. P.	232.13	
Tattersall, T. H.	74.40	
Taylor, T. M.	33.37	
Treat, L. A.	9.00	
Vermont Mfg. Co.	45.60	
Walsh Thomas A. Co.	183.69	
Waterman, Gingrass & Kennedy..	55.00	
Webster, Geo. C.	468.95	
White, E. P.	232.29	
White, T. J.	176.05	
Whitman, Hudson Co.	1.55	

13,294.17

PAID FOR CLOTHING, BOOTS, SHOES, DRY GOODS.

Cahill, M. J.	106.79
Cloutier, J. A. Co.	230.40
Colonial Worsted Mills	47.40
Donovan, James	67.75
Dwyer, Robert	252.00
Hamel, W. N. & Co.	79.92
Lane's. A. C. Specialty Store	175.42
Lawrence Rubber Co.	150.75

Amounts carried forward, \$1,110.43

\$14,844.17

Amounts brought forward,	\$1,110.43	\$14,844.17
Lord, Geo & Son	87.25	
Lynch, P. J.	211.44	
Macartney, R. J.	58.48	
Mahony, D. D. Sons	145.13	
McCarthy, W. J.	72.00	
Moore, L. C. Co.	136.61	
Reid & Hughes Co.	314.20	
Robertson, Sutherland Co.	290.75	
The Cross Dry Goods Co.	132.11	

2,558.40

PAID FOR HAY AND GRAIN.

Bruckman, H.	304.59
Disbrow, G. W.	26.31
Stanley Grain Co.	1,510.90
Tattersall, T. H.	317.57
Webster, H. K.	63.00

2,222.37

PAID FOR FUEL.

O'Mahoney, M. Est.	1,995.67
Rae, W. P. and R. J.	12.00
Theberge Bros.	72.00
Toye Bros	163.00

2,242.67

PAID FOR MEDICINE, ETC.

Carney, M. & Co.	208.19
Clarke, Chas. & Son	4.00
Conlon, D. F.	15.00
Curran & Joyce Co.	63.17
Ford Bros.	12.50
Holihan Bros.	72.15

375.01

Amount carried forward,

\$22,242.62

MISCELLANEOUS EXPENDITURES.

Amount brought forward,		\$22,242.62
American Express Company, expressing	6.16	
Armour & Co., soap, powder and glycerine	44.25	
Arundel, J. J., 9 cords manure at \$3.50	31.50	
Atkinson, W. H., keys	3.20	
Beach Soap Co., soap and powder	47.68	
Bean & Poore, lumber	317.82	
Beil, Hugo, 3 dozen spectacles	9.00	
Berger, B., 12 frames	3.80	
Blodgett, F. E., shavings	83.15	
Boston & Lawrence Express Co., expressing .....	.35	
Boston & Maine R. R., freight ...	131.73	
Boston Spray Co., 5 gal. spray	10.00	
Bride, Grimes & Co., labor and material	24.56	
Briggs & Allyn Mfg. Co., lumber .	382.68	
Buckley & Sullivan, mattresses ...	27.00	
Calderwood, F. L., harness parts and repairing, etc.	76.40	
Carroll, H. C., silver plating	22.00	
Casey, M. & Co., tobacco	90.00	
Champion International Paper Co., 9 yds. old felt at 30c	2.70	
Doe, Henry P. Co., clocks, tray etc.	9.75	
Donovan, F. L., tobacco	28.80	
Dyer & Co., stationery	24.45	
Eastern Laundry Machine Co., amt. due on laundry machinery	2,000.00	
Flynn, Edward, plants	68.95	
Amounts carried forward,	\$3,445.93	\$22,242.62

Amounts brought forward,	\$3,445.93	\$22,242.62
Forbes, Wm. & Son, labor and material	99.36	
Fuller, George S., doctoring horses	10.50	
Gage, Geo. L. Co., cement	10.00	
Godfrey, W. H., furniture	338.85	
Greenwood, Jas. & Sons, carpet, furniture, etc.	179.75	
Griswoldville Mfg. Co., gauze	64.00	
Guenette, E., repairing seat	7.00	
sleigh	40.00	
Hall Paint & Hardware, Co., oil, hardware, etc.	209.31	
Halloran, W. F., electrical work ..	75.75	
Halloran, W. F. & Co., electrical work	207.82	
Hildreth & Rogers, advertising	6.00	
Howard, J. F., 4 loads manure at \$4.00	16.00	
Irvine, James, floor coverings	80.00	
Keeble, A. K., machine labor and stock	31.55	
Kress Bros. Carriage Co., repairs.	14.55	
Lane, D. M. Co., tires, painting, repairing and shoeing	198.05	
Lane Shoeing Co., shoeing	20.38	
Lawrence Gas Co., gas	1,006.96	
electricity	161.74	
labor, material, coke, etc.	66.24	
Lawrence Ice Co.,	319.15	
Lawrence Ice Co., 27½ cds manure ..	88.50	
Lawrence Ice Cream Co., 1 gal. ice cream	1.00	
Lawrence Lumber Co., lumber, etc.	163.43	
Amounts carried forward,	\$6,861.82	\$22,242.62

Amounts brought forward,	\$6,861.82	\$22,242.62
Lawrence Rendering Co., soap	101.50	
Lawrence Rubber Co., hose, tubing, etc.	15.66	
Lena, Dr. F. A., dental work	33.00	
Lewis, Mfg. Co., gauze	52.50	
Libbey, P., tobacco	49.50	
Manderson, W. J., 6 doz. bug poison	15.00	
McCarthy, J. F., plumbing	19.22	
McDade Jos., ventilators	7.00	
McDonnell, T. E., 3 draught horses	900.00	
McMannon, J. J., shrubs, plants, etc.	68.25	
McNiece, George, doctoring stock	11.75	
Merchants Co-op Express Co., ex- pressing	2.30	
Mitchell, Wing & Co., soap, etc. ..	22.66	
Murphy, M. A., shoeing	232.16	
Musk & Lillis, mattresses, chairs ..	22.61	
N. E. Tel. & Tel. Co., rental	53.71	
O'Brien, Thomas, lumber ....	.65	
O'Brien, Wm., honing razors ...	1.75	
O'Riordan, T., carting	49.00	
manure	12.50	
Prescott, H. A., harness rep'g, etc.	14.30	
Public Property Dept., manure 7 horses, 1 year	35.00	
Quinn, L. M., mattresses, springs, etc.	189.65	
Rae, W. P., 4 cords manure at 3 ..	12.00	
Robbins, G. B. Disinfectant Co., disinfectant	15.00	
Robinson Hardware Co., hardware	219.92	
Amounts carried forward,	\$9,018.41	\$22,242.62

Amounts brought forward,	\$9,018.41	\$22,242.62
Sampson Sock Co., physician's supplies	66.88	
Sampson & Murdock Co., 1 directory	3.00	
Schaafe, Dr. F. W., dental services	5.00	
Schufelt, Amasa D., 2,000-red brick at \$10	20.00	
Seymour, Geo., rep'g, instruments, etc.	24.00	
Silver, Daniel, 2 alarm clocks	2.00	
Slater, John G., labor and material	83.24	
Smith, Sam Machine Co., labor and material rep'g machine, etc.	63.92	
Stanchfield, H. J. Co., hardware ..	278.75	
Stanley-Porter Co., rug and curtains	32.50	
Sullivan, C. F., 8 cords manure ..	32.00	
Tattersall, T. H., 1 bull	37.00	
1 boar hog	20.00	
Telegram Publishing Co., advertising	3.25	
Theberge Bros., cement	11.25	
Thomas, F. H. Co., apparatus	612.05	
Thornton Bros.	2.55	
Tobin, A. H., and Houghton, J. E. sponges	15.00	
Webster, Geo. C., 10 cord manure ..	30.00	
Winchester, J. F., professional services and medicine	36.50	
Woolworth, F. W. & Co., dishes, knives, forks, etc.	93.15	
		10,490.45
Amount carried forward		\$32,733.07

Amount brought forward		\$32,733.07
Pay roll, employes at almshouse ..	6,855.20	
	<hr/>	6,855.20
Total expenditure at almshouse.		39,588.27

LAUNDRY.

American & Sun Publishing Co., advertising	7.00	
Bean & Poore, lumber	532.83	
Briggs & Allyn Mfg. Co., lumber..	43.88	
Dove Machine Co., Inc., labor ....	.80	
Eastern Laundry Mach. Co., bal. due on machinery	382.31	
Halloran, W. F. & Co., electrical work	78.80	
Honahan, W. J., electrical work..	36.00	
Lawrence Drop Forge & Tool Co., door frame, iron dogs	5.00	
Lawrence lumber Co., lumber	14.50	
McCabe, E., & Co., boiler, etc. ..	345.00	
5 filled columns	58.25	
McCarthy, J. F., plumbing and heating	1,236.31	
Quinn, J. F., glass and putty	22.35	
Shufelt, A. D., brick work	2,611.00	
Smith & Bingham, roofing	163.00	
Stanchfield, H. J. & Co., hardware	35.72	
Unwin, H. J., lumber	3.00	
	<hr/>	5,575.75
Pay roll	564.50	
	<hr/>	564.50
Total expenditure		6,140.25

PAUPER PHARMACY.
SALARY.

Donovan, Dennis F., pharmacist ..	1,000.00	1,000.00
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MISCELLANEOUS EXPENDITURES.

Albany Chemical Co., drugs	17.70	
American Express Co., expressing	3.35	
Archibald & Lewis Co., glycerine	10.75	
Bailey, Jas. R., paper	3.56	
Bailey-Noonan Co., 1000 blanks ..	3.00	
Bauer & Black, plasters and gauze .	23.00	
Boston & Lawrence Express Co., expressing	4.60	
Boston & Maine R. R., freight ...	3.08	
Byron Truell Co., wadding	3.00	
Collins, James, carting	2.00	
Curran & Joyce Co., alcohol, brandy, etc.	56.50	
Currier, J. M. & Co., malted milk..	16.91	
Currier, O. S. & Son, boxes	3.00	
Davies, Rose & Son, drugs	47.65	
Diamond Chemical Co., peroxide .	9.00	
Dineen, Jas. A., flannel	1.50	
Eastern Drug Co., drugs	93.19	
Forrest, John J., medicine	2.00	
Gilman Bros., drugs	499.97	
Glover, W. H., medicine	64.91	
Greer, John H., medicine	2.25	
Horlick Malted Milk Co., malted milk	56.00	
Independent Pharmaceutical Co., supplies	5.67	
Irvine, Jas., linoleum	36.00	
Lawrence Rubber Co., gloves, tub- ing, etc.	13.87	
Lehn & Fink, drugs, etc.	54.05	
Amounts carried forward	\$1,036.51	\$1,000.00

Amounts brought forward	\$1,036.51	\$1,000.00
Lord, Geo. & Son, arch support- ers	2.00	
Maplewood Mills, absorbent cotton	38.00	
McTernen Rubber Co., water bottles	18.00	
Merchants Co-op Express Co., ex- pressing	13.65	
Mullen & Murch, oil, turpentine, etc.	3.62	
National Thermometer Co., clini- cals, syringes, etc.	31.75	
New Hartford Cotton Mfg. Co., cloth	17.00	
Patch, E. L. Co., drugs	10.80	
Patrick, J. W., medicine	1.50	
Rider, P. L., rubber goods	21.26	
Sampson Soch Co., physicians' sup- plies	35.58	
Sharp & Dohme, drugs	18.95	
Squibb, E. R. & Sons, drugs	28.50	
Walpole Rubber Works, rubber goods	9.00	
Ward, Prescott T., record book ...	.90	
Webster, John A. & Son., sup- plies	76.01	
West Disinfecting Co., disinfectant	5.00	
Whittal Tatum Co., glassware etc.	16.37	
White, C. W. & Co., belt, linen, hose, elbow caps, etc	5.87	
Winser & Dormitzer, gums, etc. ..	9.80	
Woolworth, F. W. & Co., bottles..	2.00	
Wyeth, John & Bro., drugs	65.16	

 1,467.23

 2,467.23

TOTAL EXPENDITURES, YEAR OF 1910.

Outside Poor	38,765.98	
Pauper Farm	39,588.27	
Laundry	6,140.25	
Pauper Dispensary	2,467.23	
Total expenditure of the department		\$86,961.73

PAVING DEPARTMENT.

Appropriation	\$4,500.00	
		\$4,500.00

Receipts.

Paving Loan of 1906, Transfer	9.89	
		9.89
Incidental Dept., transfer to balance over draft	869.40	
		896.40
		\$5,406.29

Expenditures.

Holland, Philip, 37 yards paving (Park street)	92.50	
Robinson Hardware Co., hardware	49.78	
Schwarzenberg, W. H., hardware	4.83	
Treat Hardware & Supply Co., hardware	1.66	
Rae, W. P., teaming	112.50	
Subulkin, Simon, teaming	22.50	
Wagenbach, J. & Sons, teaming ...	60.00	
Snow, F. L., paving blocks	1,162.00	
Pay rolls—Men employed by superintendent of streets	3,900.52	
		\$5,406.29

PAVING LOAN OF 1906.

Unexpended balance Jan. 1, 1910..	9.89
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	\$9.89
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Expenditures.

Paving Department—Transfer	9.89
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	\$9.89
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PAVING LOAN OF 1910.

Receipts.

Old Colony Trust Co., sale of 150	
\$1,000.00 bonds	\$150,000.00
Old Colony Trust Co., accrued in-	
terest	166.67
Overdraft, Dec. 31, 1910	27,258.78

	\$177,425.45
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EXPENDITURES.

PAVING BROADWAY.

Holland, Philip, 34,627.63 sq. yds.	
paving at \$2.91	\$100,766.40
Less water service .	62.22
	\$100,704.18
Holland, Philip, removing two trees	40.00
relaying 75 yards of paving	20.90
221.40 sq. yds. Granolithic	398.62
Barry, Wm. T., services as in-	
spector from July 26 to Nov.	
19th	852.00
Boston & Maine R. R., freight	24.00
Davis Foundry Co., 13,374 lbs. cast-	
ings, steps and covers at 3½c ..	468.09
Dempsey, Julia A., typewriting...	4.50
Amount carried forward	\$102,611.39

Amount brought forward	\$102,611.89	
Hannagan, G. S. P. Co., 16 catch basins and covers at \$15.00	240.00	
Municipal Eng and Con. Co., One No. II. Chicago Concrete Mixer, mounted on trucks, with engine, boiler and charging elevator ...	1,115.00	
Old Colony Trust Co., preparation and certification of bonds	200.00	
O'Brien, Frank H., repairing tools	9.75	
Park Department, cutting down 60 trees	1,500.00	
Robinson Hardware Co., hardware and tools	7.80	
Treat Hdw. & Sup. Co., hardware and tools	23.36	
Water Works Dept., water serv- ice	62.22	
Pay Rolls—Labor on sidewalks ..	2,750.69	
		<hr/>
		\$108,421.12

ESSEX STREET—PAVING WEST OF R. R.

M. O'Mahoney Est., due on con- tract	\$4,365.56	
M O'Mahoney Est., teaming blocks and edgestones	396.76	
Hester, W. A., 20 days as in- specter in August	212.50	
Water Works Dept., use of water	5.33	
Pay Roll—Labor on sewer	465.43	
		<hr/>
		\$5,345.58

PAVING RAILROAD STREET.

M. O'Mahoney Est., sand and gravel	\$ 74.50
Morrissey, John J., teaming	45.00
Schwarzenberg, W. H., tape, etc ..	1.27
Sibulkin, S., teaming	70.00
Wagenbach, J. & Sons teaming ...	125.00
Wagenbach, J. & Sons, 110 loads sand	110.00
Wagenbach, J. & Sons, 500 bbls. cement at \$2.00	1,000.00
Rae, W. P., 9 loads gravel at \$3.00	27.00
Rae, W. P., 306 loads sand at \$1.00	306.00
Pay Roll—Men employed by superintendent of streets	1,306.44

\$3,065.21

LAWRENCE STREET.

Connors, James, expenses to Boston relative to wood paving	1.50
Dwyer, R. J., 7 pairs rubber boots	49.50
Geo. L. Gage Co., fuel	21.57
Hannagan, G. S. P. Co., 35 catch basin covers and frames at \$15.00	525.00
Hayward, H. M., services testing wood paving blocks	25.00
Keeble, A. R., repairing tools	5.40
McCabe, Ed. & Co., labor on concrete mixer	12.18
O'Brien, Frank H., repairing tools	12.00
Park Dept., cutting down 40 trees	1,000.00
Amount carried forward	\$1,652.15

Amount brought forward	\$1,652.15
Wilson, Andrew, filling wood blocks with pitch	607.31
Robinson Hardware Co., hardware and tools	189.95
Samuel Smith Machine Co., iron work	44.25
Schufelt, A. D., laying wood block paving	476.08
Schwarzenberg, W. H., hardware Treat Hdw. & Sup. Co, hard- ware	7.09
Evans, John, 631¼ bbls. cement..	9.88
Geo. L. Gage Co., 19½ bbls. ce- ment	1,462.50
Holland, Philip, cement, 340 bbls at \$1.80 and 351¼ bbls. at \$1.95 ..	34.00
Rae, W. P., 480 bbls. cement at \$1.80	1,296.94
Theberge Bros., 200 bbls. cement at \$2.00	870.25
Wagenbach, J. & Sons 1780½ bbls. cement at \$2.00	400.00
Geo. L. Gage Co., pipe	3,561.00
Wagenbach, Joseph & Sons, pipe..	5.39
Wagenbach, Joseph & Sons, wood block paving (2187 yards).....	1,086.00
Snow & Horsfall, 80,586 blocks ..	5,686.20
Rae, Wm. P., sand and gravel	4,351.60
Wagenbach, Joseph & Sons, sand and gravel	3,746.00
Cronin, John J., teaming	574.00
Collins, James, teaming	220.00
Casey, Bros., teaming	218.75
	96.35
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Amount carried forward	\$26,595.69

Amount brought forward	\$26,595.69
Carey, John, teaming	229.33
Carroll, M., teaming	422.50
Carroll, Wm. J., teaming	776.16
Holland, Philip, teaming	427.50
Morrissey, John J., teaming	282.50
Quinn, James M., teaming	313.12
Rae, W. P., teaming	2,540.00
Theberge Bros., teaming	152.50
Wagenbach, J. & Sons, teaming ..	1,530.00
Linnehan Bros., teaming	262.50
Martin, John, teaming	412.50
McCarthy, J. W. teaming	140.00
Pay Roll—Men employed by Sup- erintendent of Streets	11,044.03

\$45,128.33

HAMPSHIRE STREET

O'Mahoney, Est. M., due on contract	6,156.84
O'Mahoney, Est. M., teaming	571.08
Hester, William, salary as inspec- tor	350.00
Lawrence Granite Co., 100,204 Phil. paving	5,310.81
Rae, W. P., sand and gravel	811.00
Park Dept., cutting down 4 trees ..	100.00
Evans, John J. 50 Bbls. Cement ..	300.00
Water Works Dept, use of water ..	7.80
Wagenbach & Sons, Jos., 400 bags cement	200.00
Wagenbach & Sons, Jos., teaming ..	310.00

Amount carried forward \$14,117.53

Amount brought forward	\$14,117.53
Rae, W. P., teaming	100.00
Holland, P., teaming	70.00
Cronin, John J., teaming	115.00
Martin, John J., teaming	55.00
Toye Bros., teaming	40.00
Pay rolls	967.68

\$15,465.21

RECAPITULATION—PAVING LOAN 1910.

Paving Broadway, Sheet No. 1 ..	\$108,421.12
Paving Essex St. west of R. R.	
Sheet No. 2	5,345.58
Paving Railroad St, Sheet No. 3 ..	3,065.21
Paving Lawrence St., Sheet No. 3 ..	45,128.33
Paving Hampshire St., Sheet No. 4 ..	15,465.21

Total Expenditures \$177,425.45

POLICE DEPARTMENT.

Appropriation	\$54,000.00	
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\$54,000.00

Receipts.

Stillings, C. A. fines paid at H. of C.	\$ 609.00
Brown, Jesse, fines paid at H. of C.	221.00
Moyes, Wm. F., fines paid at Police Court	5,713.00
Fox, Richard H., C. M., refund on P. R.	44.25
County of Essex, rent of Police Court, 1907	550.00
County of Essex, rent of Police Court, 1908	550.00
County of Essex, rent of Police Court, 1909	550.00

8,237.25

Incidental Dept., Transfer to balance overdraft	37,458.92
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37,458.92

\$99,696.17

Expenditures.

SALARIES.

Fox, Richard H., City Marshal ..	\$ 1,500.00
Nugent, John T., Dog Officer	420.75

Amount carried forward

\$1,920.75

Amount brought forward \$1,920.75

EXPENSE INCURRED SEARCHING
FOR AND COMMITTING
PRISONERS.

Ahearn, Wm. H.	5.67
Benoit, Oscar	35.33
Buckley, C. J.	5.04
Cadogan, Jas. W.	162.34
Casey, P. J.	4.74
Dwyer, Daniel F.	13.29
Fox, Richard H.	64.00
Griffin, Andrew J.	7.25
Hart, John J.	16.36
Houghton, W. J.	11.24
Johnson, E. A.	7.11
Kelleher, John J.	98.36
Linehan, James A.	68.88
Logan, Samuel C.	32.56
Marshall, H. W.	34.26
McCarlie, Thos.	42.11
McCarthy, Timothy	45.78
McEneaney, Michael J.	25.31
Reardon, Jas. C.	15.37
Sheehan, John E.	17.46
Sullivan, Jas. A.	9.80
Thompson, F. E.	35.62
Tobin, Joseph F.	14.43
Vose, Charles R.	7.30
Woodcock, Charles R.	47.25

\$826.86

PAID FOR HAY AND GRAIN.

Central Grain Store	\$333.14
Shea, John	165.96
Williams Carriage Co.	28.05

Amount carried forward \$3,274.76

Amount brought forward	\$3,274.76
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MISCELLANEOUS EXPENDITURES.

Alexander, C. I. & Son, repairs and electrical work	\$	53.96
Allien, H. V. & Co., 101 nickel plated cap badges		116.15
American Express Co., expressing		5.05
American-Sun Pub. Co., 12 pp. report at \$1.03½		12.42
Archetti, Michael, 4 days services, searching for criminal		10.00
Atkinson, W. H., locks, keys		2.40
Auto List Pub. Co., weekly service Mass Auto list		10.00
Bankers' Pen Co.		1.00
Bernard, Levi, removing one load barrels and bottles		2.50
Berthel, Oscar, use of boat and labor, searching for body		2.00
Bingham, J. F. Mfg. Co., 18 1-qt. cups		2.70
Boston & Lawrence Express Co., expressing		6.75
Boston & Maine R. R., freight, ..		.92
Boyle, George, labor		7.50
Calderwood, F. L., harness parts, blankets and repairs		53.70
Calderwood, F. L., 1 set ambulance harness		35.00
Calderwood, F. L., patent swing collar and hames,		24.00
Carey, John, use of horse		3.00
Carr, Miss E. A., stenographic services		13.50
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Amounts carried forward	\$362.55	\$3,274.76

Amounts brought forward	\$362.55	\$3,274.76
Cody, H. C., M. D., professional services	3.00	
Cole, A. L., stationery, etc.	43.34	
Cudahy Packing Co., 2 cases Old Dutch Cleanser	8.00	
Currier, W. M. & Co., 1 bbl. Sweeping Compound	7.50	
Dick & Trumpold, 16 pp. report at \$1.14	18.24	
Doe, Henry P. Co., repairing badges	1.50	
Donahue, Joseph, labor, searching for body	3.25	
Drew-Stranahan-Hussey Co., 5 gals Descox and carboy	10.50	
Dyer & Co., 1,000 tags and one book	2.35	
Dyer, Thomas, labor searching for body	6.50	
Empire Laundry,	26.30	
Ertinghausen, Frederick, boat hire searching for body	4.00	
Fitzmaurice, John, labor searching for body	2.25	
Fitts, Geo. D., electrical work	1.35	
Fleming, Dennis, labor searching for body	3.25	
Forbes, Wm. & Sons, 2 inv. sts and labor	4.60	
Fox, Richard H., cash paid for postage	26.50	
Fuller, George S., V. S. services and medicine	14.00	
Amounts carried forward	\$548.98	\$3,274.76

Amounts brought forward	\$548.98	\$3,274.76
Gamewell Fire Alarm Tel. Co., re- pairing register, boxes, etc	110.00	
Gamewell Fire Alarm Tel. Co., 2 police signal boxes	300.00	
Glover, Wm. H., sponges, linseed meal .....	.40	
Guenette, E., storing sleigh,	2.50	
Hadley, Geo. H. & Co., 500 4-lb bags .....	.73	
Hall Paint & Hardware Co., oil, hardware, etc.	59.47	
Hayes, Thos., labor searching for body	1.25	
Hembrough, Arthur, use of boat and labor searching for body ..	6.75	
Hildreth & Rogers Co., 300 circu- lars	2.50	
Hildreth & Rogers Co., 130 postals	4.90	
Hildreth & Rogers Co., 1000 envel- opes	3.25	
Hildreth & Rogers Co., 5000 time slips	6.00	
Johnson, E. A., Jr., caning chairs.	4.50	
Kee Lox Mfg. Co., carbon	3.00	
Kennedy, William, expense search- ing for body	8.00	
Keystone Wire Matting Co., mat..	5.00	
King, Mrs. Geo. B., salary for services as police station matron	125.00	
Kress, O. F. & Son., painting, repairing, labor and material ...	193.80	
Lanontagne, Samuel, teaming	6.50	
Amounts carried forward	\$1,392.53	\$3,274.76

Amounts brought forward	\$1,392.53	\$3,274.76
Lawrence Bindery Co., 100 running cards	30.00	
Lawrence Bindery Co., 1 day book	20.00	
Lawrence Bindery Co., 1 index and rebound,	17.00	
Lawrence Bindery Co., 1000 sheets	17.50	
Lawrence Electric Supply & Construction Co., electrical work...	17.20	
Lawrence Fire Alarm, care police signal 1 year	300.00	
Lawrence Gas Co., gas	323.60	
Lawrence Gas Co., electricity	246.09	
Lawrence Gas Co., labor and supplies	2.41	
Lawrence Ice Co., ice	11.90	
Lawrence Rubber Co., rubber bands .....	.69	
Leck, Geo. H., negatives and photographs	25.75	
Library Bureau, 1 oak case, cards, etc	34.75	
Lockwood, J. H., shoeing	101.64	
Maguire, P. J., Agt., 1 pair shoulder straps	4.50	
McCarlie, Thos., shoveling snow..	1.00	
McKay, E. C., shoeing	4.00	
Merchants' Co-op Express Co., expressing	5.25	
Merrimack Paper Co., paper,	4.14	
Minahan, Margaret, labor cleaning,	3.00	
Moran Bros., box of lemons,	4.50	
Morse, H. Dennie, use of vacuum cleaner	1.00	
Amounts carried forward	\$2,568.45	\$3,274.76

Amounts brought forward	\$2,568.45	\$3,274.76
Morton, Fennimore, searching for criminal	3.20	
Mulholland, B. F., M. D., professional services	10.00	
Musk & Lillis, chair	6.50	
National Chemical & Supply Co., disinfectant and dust cloths	20.50	
N. E. Tel. & Tel. Co., rental	234.30	
O'Leary, D. & Co., horse hire	38.00	
O'Mahoney, M. Est., fuel	533.86	
Orient Mfg. Co., spray and atomizer	20.75	
Pauper Dept., Pharmacy, medicine	21.73	
Perry, Chas. E. Co., register paper	32.06	
Poore, E. E., crackers	18.21	
Reardon, W. T., 500 cards	4.00	
Roan, Thos., meals	236.55	
Robertson, Sutherland Co., blankets, towels, etc.	14.78	
Rushforth, W. E., 5000 pay roll slips	17.50	
Rushforth, W. E., 1000 ruled ledger reports	6.00	
Rushforth, W. E., 1000 letter heads	8.00	
Rushforth, W. E., 2000 envelopes	7.00	
Rushforth, W. E., 1000 warrants, ..	4.50	
Rushforth, W. E., 1500 liquor reports	5.00	
Ryder, A. F., medicine .....	.65	
Sampson & Murdock Co., directory	3.00	
Amounts carried forward	\$3,814.54	\$3,274.76

Amounts brought forward	\$3,814.54	\$3,274.76
Schneider, F., police badges and magnifying glass	17.50	
Sentinel Print, 500 blanks	6.50	
Seymour, George, key, eraser and repairing .....	.75	
Simpson, J. R. & Co., linseed meal, brooms, soap, etc.	15.29	
Smith Premier Typewriting Co., supplies	14.24	
Smith's Express, teaming and use of boat	3.00	
Squeirig, M. J., labor, cleaning ...	9.75	
Stanchfield, H. J. & Co., hard- ware	10.23	
Street Dept., street watering	9.28	
Sullivan, Jas. A., cash paid for labor	5.00	
Taylor, W. L., teaming .....	.25	
Tepper, F., teaming .....	.75	
The Scarborough Co., map	1.45	
Union Stamp Works, commercial machines and dates	6.00	
Valpey, F. D., spring water	47.75	
Van Buskirk, J. W., step ladder ..	4.00	
Vandorp, Isador, labor	1.50	
Waterbury Button Co., coat and vest,	22.50	
Western Union Telegraph, time service	17.92	
Williams Carriage Co., use of sleigh, hacking and sponge	12.75	
Winchester, J. F., services and medicine	12.00	
Amounts carried forward	<u>\$4,032.95</u>	<u>\$3,274.76</u>

Amounts brought forward	\$4,032.95	\$3,274.76
Yawman & Erbe Mfg. Co., photo mounts	3.85	
		<u>\$4,036.80</u>

PAY ROLL—REGULAR OFFICERS.

January	\$8,223.00	
February	6,491.50	
March	6,659.25	
April	8,742.75	
May	7,107.50	
June	7,129.50	
July	8,982.00	
August	7,093.75	
September	7,168.75	
October	9,169.50	
November	7,378.50	
December	7,532.50	
		<u>\$91,678.50</u>
Pay Roll, Special Officers, July 4th	706.11	
		<u>\$706.11</u>
Total expenditure, year of 1910		<u>\$99,696.17</u>

PUBLIC LIBRARY.

Appropriation	\$12,000.00	
		<u>\$12,000.00</u>
Receipts.		
County of Essex, dog licenses re-		
funded	\$ 933.44	
Lawrence I. I. School, transfer ..	27.39	
School Loan of 1903, interest on		
bond	200.00	
Trustees White Fund, purchase of		
books	1,000.00	
Walsh, W. A., Librarian, collections	188.13	
		<u>\$2,348.96</u>
Incidental Dept., transfer to bal-		
ance overdraft,	\$4,731.20	
		<u>\$4,731.20</u>
		<u>\$19,080.16</u>

Expenditures.

SALARIES.

Walsh, William A., Librarian	\$2,366.67	
Packard, Mary F., Asst. Librarian	800.00	
		<u>=====</u>
Amount carried forward		\$3,166.67

Amount brought forward		\$3,166.67
PAID FOR BOOKS, MAGAZINES, PAPERS AND BINDING.		
American Press	\$ 2.00	
American Library Association ...	5.00	
American and Sun Pub. Co.,	49.00	
Annual Review Pub. Co.,	3.75	
Appleton, Robert C.	24.00	
Army and Navy Register,	3.00	
Audel, Theo. & Co.	5.60	
Bailey-Noonan Co.	12.00	
Bennett, F. P. & Co.	6.00	
Benziger Bros.	21.32	
Bradshaw, Justin J.	1.75	
Browne, B. R.	1.00	
Burnham Antique Book Store ...	9.00	
Charities Publication Committee..	2.50	
Christian Work	1.87	
Clarke, A. H. Co.	3.60	
Clarke, James	14.25	
Clarke, W. B.	2.25	
Colby, Higgins Co.	16.75	
Costello, Edward J.	25.00	
Craftsman Pub. Co. ....	.75	
Currier, J. J.	5.00	
Desmond Pub. Co.	30.00	
Dodd, Mead & Co.	6.30	
Dutton, E. P. & Co.	3.64	
Flynn, Thomas J. & Co.	54.82	
Four Seas Press .....	.53	
Gibbs, W. M.	2.49	
Glubock, Samuel	6.10	
Gordon, A. J.	3.25	
Hildreth & Rogers Co.	15.00	
Amounts carried forward	\$337.52	\$3,166.67

Amounts brought forward	\$337.52	\$3,166.67
Holden Patent Book Cover Co.	3.13	
Houghton, Mifflin Co.	1.28	
Lauriat, Chas. E. Co.	5.00	
Lawrence Bindery Co.	662.15	
Library Art Club	6.00	
Library Bureau	50.60	
Maguire, L.	63.10	
Massachusetts Historical Society .	2.00	
Massachusetts Magazine	6.00	
McClure Co.	11.69	
Munsey, F. A. Co. ....	.10	
National Education Ass'n	2.00	
Nelson, Thomas & Sons	91.20	
New England Genealogical soc... .	3.00	
New Haven Union Co.	3.00	
Newbruy Bindery	725.60	
Old Corner Bookstore	1,306.77	
Phelps Pub. Co. ....	.15	
Photo-Graphic Times Ass'n. ....	.15	
Pilgrim Press	2.50	
Polley, G. H. & Co.	27.50	
Publishers Weekly	4.00	
Reid & Hughes Co.	737.59	
Ritter & Flebbe	7.70	
Sampson & Murdock Co.	18.00	
Schoenof Book Co.	1.90	
Schute, Theo. E.	50.00	
Scribner's, Chas. Sons ....	.25	
Stevens, B. F. & Brown	113.93	
Telegram Pub. Co.	24.00	
U. S. Naval Institute	1.25	
Wanamaker, John	1.00	
Amounts carried forward	\$4,270.06	\$3,166.67

Amounts brought forward	\$4,270.06	\$3,166.67
Ward, Samuel Co.	9.58	
Wilson, H. W. Co.	40.00	
		4,319.64

MISCELLANEOUS EXPENDITURES.

Abbott & O'Connor, signs, frames, etc.	\$ 10.75	
Aexander, C. I. & Sons, electrical work	2.80	
American & Sun Pub. Co., 35½ pp. report at \$1.03½	36.74	
American & Sun Pub. Co., adver- tising	7.00	
American Express Co., expressing	11.49	
Bailey-Noonan Co., 3,000 pay bills	7.50	
Bailey, James R., toilet paper	8.75	
Blair, E. W., exchange paid for money order	30	
Boston & Lawrence Express Co., expressing	30	
Boston & Maine R. R., 3 50-ride tickets	60.75	
Bride, Grimes Co., labor .....	.60	
Buckley & Sullivan, rugs, mats, re- seating chairs, etc.	41.75	
Carroll, Michael, insurance	9.40	
Clarke, Chas. & Son, germicide, etc.	3.75	
Cole, A. L., scrapbooks, paste, mu- cilage, etc.	76.79	
Amounts carried forward	\$278.67	\$7,486.31

Amounts brought forward	\$278.67	\$7,486.31
Cotter, John, teaming books from library to sub-stations Oct. 27 to Dec 1, 1910	28.73	
Couch, H. J. & Son, fixing doors and drawers	5.25	
Cudahy Packing Co., 2 cases Old Dutch Cleanser	8.00	
Dennison Mfg. Co., labels	7.50	
Dick & Trumpold, 36 pp. report at \$1.14	41.04	
Dimock, F. E., spring water	11.40	
Durgin, Mrs. P., labor, cleaning ..	120.00	
Empire Laundry, towel supply ...	26.00	
Guenette, N. L., keys, shovels, locks	2.40	
Hildreth & Rogers Co., advertising	7.00	
Hildreth & Rogers Co., 10,000 slips	17.50	
Humphrey, E. H., fuel	18.50	
Hurlburt, Albert, spring water ..	.85	
Kidd, Frank L., labor, material..	6.00	
Kiley, M. P., baskets and repairs ..	10.25	
Kress, O. F. & Son, 4 book covers	10.00	
Lawrence Electrical Supply & Con- struction Co., electrical work ...	1.50	
Lawrence Gas Co., gas	32.08	
Lawrence Gas Co., electric light ..	1,003.09	
Lawrence Gas Co., labor .....	.18	
Lawrence Ice Co., ice	6.35	
Lawrence Rubber Co., bands	14.53	
McCrillis, H. S., switches, sockets and labor	13.40	
Merchants Co-op Express Co., ex- pressing	11.25	
Amounts carried forward	\$1,681.47	\$7,486.31

Amounts brought forward	\$1,681.47	\$7,486.31
Merrimac Supply Co., mantels, shades and labor	9.85	
Mullen & Murch, dusters, brushes, etc.	26.85	
N. E. Tel. & Tel. Co., rental	33.57	
O'Brien, Jos., sharpening knives and scissors .....	.30	
O'Brien, Thos., quartered-oak seats as per contract, etc.	143.60	
O'Mahoney, M. Est., fuel	418.11	
Packard Mary F., cash paid for mantles, cord, etc.	1.10	
Powell, John S., insurance	72.00	
Reardon, Walter T., printing 4000 envelopes	4.00	
Register Pub. Co., printing enve- lopes	3.00	
Robinson Hardware Co., hardware	3.05	
Somerville Brush Co., brush and duster	5.70	
Spofford, A. A., soap	6.75	
Stanley-Porter Co., painting, grain- ing, varnishing entrance, etc. ...	57.73	
Straus, Frank, mops	2.00	
Street Dept., street watering	20.68	
Sullivan, Wm., rent and heating of branch library	424.96	
Taylor, W. L., teaming	125.75	
Telegram Pub. Co., advertising ...	9.00	
Trustees of White Fund, rent of library	1,600.00	
Unwin, H. J., stock and labor	25.88	
Amounts carried forward	\$4,675.35	\$7,486.31

Amounts brought forward	\$4,675.35	\$7,486.31
Walsh, Wm. A., cash paid for post- age	74.20	
Ward, Mrs. Jas. H., washing and repairing flag .....	.75	
Watts Regulator Co., sharpening mowers	1.00	
Whitman-Hudson Co., matches, soap, etc.	1.72	
Wilson, Andrew, cleaning snow off roof	2.25	
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Pay roll—Attendants at library ..	5,541.08	\$4,755.27
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Pay Roll—Janitors	1,297.50	5,541.08
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		1,297.50
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Total expenditures, year of 1910		\$19,080.16

PUBLIC PROPERTY DEPARTMENT.

Appropriation	\$20,500.00	
		<u>\$20,500.00</u>
Receipts.		
Hennessey, P. J., Supt., collections	\$ 266.12	
Richardson, W. E., refund on cancelled policy	61.87	
Lesure, W. H., refund on bill No. 10,362	2.00	
Andrew, Frank M., refund on bill 8,547	67.50	
Water Dept., transfer	2,449.57	
Cemetery Dept., transfer	29.84	
Health Dept., transfer	486.15	
Engineering Dept., transfer	216.00	
Park Dept., transfer	436.20	
		<u>4,015.25</u>
Incidental Dept., transfer to balance overdraft	19,148.75	
		<u>19,148.75</u>
		\$43,664.00

Expenditures.

SALARY.

Hennessey, Patrick J., superintendent	\$1,500.00	
Amount carried forward		<u><u>\$1,500.00</u></u>

Amount brought forward	\$1,500.00
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HAY AND GRAIN.

American & Sun Pub. Co.,	246.95
Carney, M. & Co.,	328.82
Driscoll, John A.	122.52
Lavigne, Jas.	120.00
Shea, John	15.20
Stanley Grain Co.	672.93

\$1,506.42

INSURANCE.

Arundel, Edward L.	270.00
Bevington, Thos.	8.00
Donigan, B. E.	67.50
Heald, A. H.	101.25
Hurley, John	135.00
McCarthy, E. A.	103.50
Murphy, Maurice A. & Co.	371.25
O'Sullivan, James T.	67.50
Powell, John S.	67.50
Spencer & Richardson	67.50
Winslow, E. N. & Co.	67.50

\$1,326.50

LUMBER.

Bean & Poore	2,158.55
Briggs & Allyn Mfg. Co.	6.82
Lawrence Lumber Co.	508.01
O'Brien, Thos.	61.38

\$2,734.76

Carried forward	\$7,067.68
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Amount brought forward		\$7,067.68
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HARDWARE.

Robinson Hardware Co.	3.19
Schwarzenberg, Wm. H.	48.93
Stanchfield, H. J. & Co.	472.31
Treat Hardware & Supply Co.	22.57

547.00

SHOEING AND REPAIRING.

English, P.	4.50
Lane, D. M. Co.	102.95
Lane Shoeing Co.	6.50
Lockwood, J. H.	69.00
Murphy, M. A.	49.46
O'Brien, F. H.	2.00

234.41

PIPING, PLUMBING AND REPAIRING.

Alexander, C. I. & Sons	112.98
Banville, P. W.	4.35
Bride, Grimes & Co.	20.70
Cusack, W. C.	136.40
Davey, Peter B.	1,824.02
Dolan & Pothier	12.75
Dove, Percival	36.13
Dove Machine Co., Inc.	202.79
Farragher, P. J.	116.00
Halloran, Wm. F. & Co.	268.77

Amounts carried forward	\$2,734.89	\$7,849.09
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Amounts brought forward	\$2,734.89	\$7,849.09
Honohan, W. J.	52.85	
Horne, G. W. Co.	905.20	
Lawrence Drop Forge & Tool Co.	39.70	
Lawrence Electrical Supply & Construction Co.	101.11	
Lynch, C. F.	97.12	
McCabe, Edward	13.85	
McCabe, E. & Co.	1,434.00	
McCabe & Finzel	21.76	
McCarthy, J. F.	2,838.40	
Mosher, E. O. & Son	60.83	
Pothier, C. N.	54.29	
Smart, G. B. & Co.	2,196.35	
Sweeney, P. J. & Co.	97.00	
Watts Regulator Co.	2.10	

 10,649.45

OILS, PAINTS, BRUSHES, SUPPLIES, ETC.

Hall Paint & Hardware Co.	77.25
Quinn, John F.	863.03
Tobin, A. H. & Houghton, J. E. Co.	45.05

 985.33

MISCELLANEOUS.

Ahern, A. B., linseed meal	1.18
Allen, Mrs. reseating chairs	1.00
American Express Co., expressing ....	.40
American-Sun Pub. Co., 23 1-2 pp. report at \$1.03½	24.32

Amounts carried forward	\$26.90	\$19,483.87
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Amounts brought forward	\$26.90	\$19,483.87
American Seating Co., desks and chairs	172.40	
Atkinson, W. H., keys, locks, etc ..	30.25	
Ayer, Robert S., difference in exchange of horses	50.00	
Ball, Frank J., repairing curtains ..	2.85	
Begley, P. F., carting	3.00	
Blandin & Beals, belts, lace, etc. ..	42.60	
Boston & Lawrence Express Co., expressing .....	.15	
Boston & Maine R. R., freight	13.87	
Buckley & Sullivan, desk chairs ..	21.80	
Burlington Venetian Blind Co., tape, cord, etc.	98.00	
Camden Street Laundry, towel service	5.00	
Carney, M. & Co., alcohol	30.00	
Coffey, Jeremiah, 1 set light harness	30.00	
Cole, A. L., stationery, etc.	7.40	
Connor, J. F., towel service	7.00	
Dick & Trumpold, 26 pp. report at \$1.14	29.64	
Doherty, D. A., repairing blackboards	471.31	
Dyer & Co., stationery, etc.	6.55	
Fallon, T. F., castings, etc.	6.97	
Flynn, Andrew J., polish	1.25	
Garvey Bros., soap	4.50	
Gifford, H. H., auto hire	28.50	
Godfrey, W. H., chair seats, etc. ..	11.95	
Hammett, J. L. Co., inkwell covers, hinges, etc.	23.40	
Amounts carried forward	\$1,125.29	\$19,483.87

Amounts brought forward	\$1,125.29	\$19,483.87
Joyce, Thos. & Jas., mason work ...	711.67	
Kenney Bros. & Wolkins, desks and chairs	462.50	
Keystone Oil Co., oil	9.04	
Knuepfer, R. G., auto hire	66.50	
Lane, D. M. Co., sleigh and bells..	86.25	
Lawrence Gas Co., electricity	151.16	
Lawrence Gas Co., labor	5.60	
Lawrence Rubber Co., packing ...	1.25	
Lyons, John, robes, repairing har- ness, etc.	63.30	
McBride, Jas., liniment, etc.	7.00	
McDonnell, T. E., hire of wagon and horse	18.00	
McDonnell, T. E., 1 bay mare	300.00	
McLanathan, F. W. & Son, belts..	25.34	
Merchants Co-op. Express Co., ex- pressing .....	.45	
Moran, Edward, inspecting boilers	247.00	
N. E. Tel. & Tel. Co., rental	50.30	
Nugent Press, stamped envelopes and bills	21.50	
O'Mahoney, M. Est., pipe, stone, cement, etc.	27.45	
O'Mahoney, M. Est., coal	253.39	
Peters, John, sponges, chamois, etc.	6.60	
Rae, Wm. P., sand, cement, labor, etc.	57.25	
Sampson & Murdock Co., directory	3.00	
Sanitas Co., disinfectant	6.80	
Saunders Bros., rent of land	100.00	
Shufelt, A. D., building arches and floors in water tower	700.00	
Amounts carried forward	\$4,506.64	\$19,483.87

Amounts brought forward	\$4,506.64	\$19,483.87
Shufelt, A. D., mason work	474.80	
Slater, John Co., wicks .....	.40	
Smith, Wm., clipping horses	6.00	
Smith & Bingham, roofing and zinc flashing	56.98	
Solshine Mfg. Co., harness oil	1.25	
Sullivan, D. F. & Co., luncheon for 16	25.45	
The E. Howard Clock Co., furnish- ing and installing glass	61.75	
Thorp, Alfred, reseating chairs ...	18.00	
Thorp, Philip A., reseating chairs,	19.00	
Toye Bros., ice	9.65	
Valpey, F. D., spring water	17.20	
Wagenbach, J. & Sons, building bulkhead, etc.	45.15	
Water Works Dept., flushing sewer	2.00	
		<hr/>
		5,244.27
Pay roll—Men employed by Super- intendent of Public Property ...	18,935.86	
		<hr/>
		18,935.86
		<hr/>
Total expenditure, year of 1910 ..		\$43,664.00

SCHOOL DEPARTMENT.

Appropriation \$176,000.00

\$176,000.00

Receipts.

Sheridan, B. M., Superintendent, refund on P. R. No. 52	\$ 7.50
Sheridan, B. M., tuition	115.00
Sheridan, B. M., collections	402.98
Incidental Dept., transfer	1,850.00
B. & M. R. R., refund money on freight charges	1.98
Commonwealth of Massachusetts, tuition	36.00

2,413.46

Incidental Dept., transfer to balance
 overdraft 111,499.95

111,499.95

\$289,913.41

Expenditures

SALARIES

Sheridan, Bernard M., superintend- ent	\$ 3,500.00
McGowan, James R.	1,400.00
Cate, Edwin J.	1,200.00
Sullivan, Michael	924.99

7,024.99

Amount carried forward

\$7,024.99

Amount brought forward	\$7,024.99
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PAY ROLL—REGULAR TEACHERS.

January	\$20,490.00
February	20,551.50
March	15,522.62
April	25,852.38
May	15,509.50
June	20,774.25
July	5,187.63
August	
September	15,763.50
October	27,581.87
November	22,371.00
December	22,452.00

212,056.25

Pay roll, clerks	\$1,245.00
Pay roll, evening teachers	9,932.33
Pay roll, evening drawing teachers	66.00
Pay roll, vacation school teachers..	549.80
Pay roll, day janitors	19,423.25
Pay roll, evening janitors	415.50
Pay roll, scrubbing and cleaning ..	630.61

32,262.49

PAID FOR BOOKS, STATIONERY AND SUNDRY SCHOOL SUPPLIES.

Ajax Mfg. Co.	\$ 24.72
Alexander, F. B.	148.70
Allyn & Bacon	336.71
American Book Co.,	1,870.13

Amounts carried forward	\$2,380.26	\$251,343.73
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Amounts brought forward	\$2,380.26	\$251,343.73
American & Sun Pub. Co	74.75	
Appleton, D. & Co.	290.07	
Atkinson, Mentzer & Grover	67.88	
Babb, Edward E. & Co.	1,335.40	
Badger, Richard G.	1.25	
Bailey, James R.	32.77	
Bailey-Noonan Co.	37.50	
Baker, W. H. & Co.	1.20	
Barnard, J. F. & Co.	223.06	
Barnes, A. S. Co.	8.90	
Bassette, F. A. Co.	2.39	
Bausch & Lomb Optical Co.	1.19	
Bay State Paper Co.	2.00	
Belisle Printing & Rubber Co.	6.75	
Birchard, C. C. & Co.	12.20	
Boston Bank Note Co.	42.00	
Bradshaw, J. J. & Co.	3.15	
Burt, A. L. Co.	10.50	
Cambridge Botanical Supply Co. .	63.92	
Carter Rice Co.	40.63	
Castor, T. H. & Co. ....	.96	
Champion International Paper Co.	2.64	
Chandler & Barber	42.37	
Charities Pub. Committee	1.50	
Cole, A. L.	118.00	
Davis Press	3.00	
Davis, Wm. A. Co.	2.13	
Dennison Mfg. Co.	40.65	
Dick & Trumpold	11.75	
Doubleday, Page & Co.	2.10	
Drew-Stranahan-Hussey Co.	9.00	
Dyer & Co.	334.06	
Eagle Oil & Supply Co.	7.00	
Amounts carried forward	\$5,212.93	\$251,343.73

Amounts brought forward	\$5,212.93	\$251,343.73
Educational Pub. Co.	45.76	
Educational Review	3.00	
Educator Journal Co.	1.00	
Emerson College	1.23	
Expression Co.	1.02	
Farquhar, David	167.04	
Folkins, J. H. Co.	69.00	
Forbes Lithograph Mfg. Co.	67.60	
Freidenker Pub. Co.	2.60	
French, Samuel .....	.25	
Ginn & Co.	702.74	
Gordon, A. J.	6.50	
Gregg Pub. Co.	57.00	
Hammett, J. L. & Co. ...	706.32	
Harper & Bros.	15.60	
Heath, D. C. & Co.	204.26	
Hildreth & Rogers Co.	48.00	
Hinds, Noble & Eldredge	1.00	
Holden, Patent Book Cover Co. ..	261.01	
Holt, Henry & Co.	155.83	
Horle, F. A.	2.25	
Houghton, Mifflin & Co.	270.02	
Howard Dustless Duster Co. ...	91.50	
Jameson, F. J.	29.34	
Jocelyn, L. P., secy.	1.00	
Jordan Marsh Co.	5.50	
Kenney Bros. & Wolkins	785.76	
Knuepfer & Dimmock	12.00	
Knott, L. E. Apparatus Co.	168.39	
Knowlton, D. H. & Co.	2.40	
Lauriat, Chas. & Co.	10.73	
Lawrence Bindery Co.	394.84	
Lindenmeyer, Henry & Sons	14.40	
Amounts carried forward	\$9,517.82	\$251,343.73

Amounts brought forward	\$9,517.82	\$251,343.73
Little, Brown & Co.	125.61	
Longsmans, Green & Co.	24.49	
Lowe, Alfred & Co.	11.80	
Manual Arts Press	17.87	
Marine Biological Laboratory	6.40	
Mass. Bible Society	2.10	
Mather, Chas. E.	14.08	
McIntosh, D. C.	57.35	
McKinley Pub. Co.	8.04	
Merriam, G. & C. Co.	65.20	
Merrill, Chas. E. Co.	12.33	
Milton Bradley Co.	1,024.36	
N. E. Publishing Co.	5.00	
N. E. Typewriter Supply Co.	1.00	
Neostyle Co.	5.65	
N. Y. Teachers' Monographs	2.00	
Nugent Press	28.00	
Old Corner Bookstore	24.45	
Oliver Ditson Co.	42.21	
Orient Mfg. Co.	10.00	
Orr & Lockett Hardware Co.	1.00	
Palmer, A. N. Co.	1,144.90	
Palmer Co.	3.00	
Prang Education Co. ....	.24	
Rand, McNally & Co.	16.50	
Reardon, W. T.	157.25	
Register Pub. Co.	50.75	
Reid & Hughes Co.	142.60	
Remington Typewriter Co.	2.92	
Revell, F. H. Co.	1.12	
Royal Typewriter Co.	204.00	
Rushforth, W. E.	36.00	
Amounts carried forward	\$12,526.04	\$251,343.73

Amounts brought forward	\$12,526.04	\$251,343.73
Sanborn, Benj. H. & Co.	148.90	
Schirmer, G.	2.01	
Schmidt, A. P.	18.35	
Schoenef Book Co.	13.07	
School Exchange	1.00	
Scott, Foresman & Co.	11.78	
Scribner's, Chas. Sons Co.	63.49	
Sentinel Press	8.50	
Sharrock, William	22.50	
Sherman, A. B. & Co.	1.00	
Silver, Burdett & Co.	479.61	
Simmons, Parker, B.	75.17	
Singer Sewing Machine Co.	8.00	
Smith Premier Typewriter Co. ...	190.14	
Sower, Christopher Co.	3.75	
Stokes, F. A. Co.	1.12	
Suffolk Eng. and Electrotype Co.,.	8.05	
Suffolk Ink Co.	17.50	
Thompson, A. F. & Co.	4.50	
Tileston, Livermore Co.	11.00	
University of Chicago Press	2.97	
Wadsworth, Howland & Co.	67.18	
Ward, Prescott T.	5.50	
Ward, Samuel Co.	50.00	
White-Smith Music Co.	38.86	
Young Men's Christian Association Press	9.50	
		\$14,029.49

MISCELLANEOUS EXPENDITURES.

Alexander, C. I. & Sons, electrical work	\$ 112.43	
Amounts carried forward	\$112.43	\$265,373.22

Amounts brought forward	\$112.43	\$265,373.22
American Express Co., expressing	64.00	
American-Sun Pub. Co., advertising	6.40	
Austin, M. E. & Co., hardware ..	34.26	
Ball, Frank J., curtains, mounting map, etc	32.55	
Bay State Decorating Co., repairing flag	2.00	
Beach Soap Co., soaps and soap powder	54.00	
Belisle, Hector, reviewing Perkins' Prize essays	10.00	
Boston & Lawrence Express Co., expressing	36.40	
Boston & Maine R. R., freight	20.10	
Boutwell, W. B., special work in superintendent's office	1.25	
Bowlby, Austin P., teaming	12.75	
Bride, Grimes & Co., tapers, wicking, pipe, labor, etc.	9.32	
Briggs & Allyn Mfg. Co., mfg. lumber	5.88	
Buckley, Margaret G., typewriting lessons for evening school	6.00	
Buckley & Sullivan, 2 desks and matting	93.13	
Burnham, R. P., spring water	19.40	
Chabis, Paul, rent of hall, non-English speaking school	50.00	
Champy, Tony, 14 loads loam at \$1.25	17.50	
Choate, E. B., musical services ..	3.00	
Clarke, Chas. & Son, disinfectant and germicide	1.70	
Amounts carried forward	\$592.07	\$265,373.22

Amounts brought forward	\$592.07	\$265,373.22
Coburn, Alonzo, teaming	3.00	
Collopy, M. H., teaming	1.25	
Columbian Orchestra, services at graduations	96.00	
Cudahy Packing Co., 1 case Old Dutch Cleanser	4.00	
Daniels, Joel C., sharpening mowers	7.65	
Davey, Peter B., repairs .....	.50	
Dean & Gardener, cleaning rugs ..	1.45	
Dean Hardware Co., sharpening 2 saws .....	.30	
De Marco, Joseph, interpreter school census, 3 days at \$1.50 ..	4.50	
Devine, P. F., suit case for shipping writing papers	4.50	
Dick & Trumpold, 1200 copies Sup- erintendent's report	174.00	
Dick & Trumpold, 1070 copies School Directory	96.50	
Dineen, Jas. A., diploma ribbon ..	11.40	
Dion, A. L., carting	2.00	
Dodson Co., labor and material ..	2.55	
Doe, Henry P. Co., repairing clocks	33.50	
Empire Laundry, towel supply ...	382.12	
Everett, Geo. M. T., labor on Hood school garden	1.00	
Farley Awning & Decorating Co., repairing flags	15.75	
Finley, John H., Address at High school graduation	50.00	
Fletcher, M. E., diploma ribbon ...	10.85	
Fuller Bros, board of horse	95.00	
Amounts carried forward	\$1,589.89	\$265,373.22

Amounts brought forward	\$1,589.89	\$265,373.22
Fuller Bros., carriage hire	13.00	
Gilday, Rev. J. J., rent of school rooms	1,140.00	
Gilday, Rev. J. J., preparing and equipping five rooms in St. Pat- rick's Parochial school as per contract	1,850.00	
Gilmartin, Dennis, taking school census, 32 ½ days at \$3	97.50	
Glover, Wm. H., gummed paper ..	.50	
Godfrey, W. H., desk	26.50	
Graichen Bros., rags	18.28	
Gutterson & Gould, rags	4.70	
Hadley, G. H. & Co., Old Dutch Cleanser, soap, etc.	41.40	
Hall Paint & Hardware Co., hard- ware	70.24	
Herman, Ernest, lectures on phy- sical training	70.00	
Hildreth & Rogers Co., advertising	12.05	
Hildreth & Rogers Co., envelopes and cards	8.75	
Hoff, Daniel W., engrossing dip- lomas	94.08	
Hyde, G. Ernest, taking school census, 34 days at \$3	102.00	
Hyde, Geo. S. J., taking measure- ments of school rooms	45.45	
Keystone Oil Co., oil	9.85	
Keystone Wire Mat Co., mats	5.60	
Knuepfer & Dimmock, cover and polishing piano	5.00	
Amounts carried forward	\$5,204.79	\$265,373.22

Amounts brought forward	\$5,204.79	\$265,373.22
Landers, M. A., taking school census, 33 days at \$3 per day ...	99.00	
Lane, T. W., Concord buggy	156.00	
Lawrence Electrical Supply & Construction Co., electrical work ...	.35	
Lawrence Gas Co., gas	435.28	
Lawrence Gas Co., electricity	2,071.35	
Lawrence Gas Co., material	101.45	
Lawrence Lumber Co., lumber ...	129.71	
Lawrence Rendering Co., soap powder	7.00	
Lawrence Rubber Co., bands, hose	52.60	
Lord & Co., use of piano	20.00	
Lord & Co., tuning piano	2.50	
Maccaroni, Raffaele, services as interpreter, school census 7½ days at \$1.50	11.25	
Mahoney, Kane, teaming	2.00	
Marad, Ferris, interpreter, school census, 5 days at \$1.50	7.50	
Marier, C. J. A., tuning and repairing pianos	9.00	
McCarthy, Wm. J., diploma ribbon	13.60	
McDade, Joseph, taking school census, 20½ days at \$3	61.50	
McManus, Louis, taking school census, 31 days at \$3	93.00	
Merchants' Co-op Express Co., expressing	71.55	
Mosher Safe Co., 1 safe	200.00	
Mullen & Murch, brushes, dusters, etc	390.69	
Amounts carried forward	\$9,140.12	\$265,373.22

Amounts brought forward	\$9,140.12	\$265,373.22
Murphy, J. A. taking school census		
30 days at \$3	90.00	
Murphy, M. A., shoeing horse	13.85	
N. E. Nurseries, shrubs and plants	44.66	
N. E. Tel. & Tel. Co., rental	493.19	
Nugent Press, 100 pay bills	1.50	
O'Riordan, F. D., sawdust and teaming	32.25	
O'Riordan, T., sawdust and carting	15.75	
Page Broom Co., brooms	14.50	
Peters, John, harness	40.00	
Peters, John, blanket, etc.	4.25	
Reardon, W. T., envelopes, cards, letterheads, etc.	34.00	
Reardon, W. T., pay bills	79.50	
Regan, William F., floral decorations	10.00	
Register Pub. Co., printing 500 letterheads	3.00	
Rice, T. H. W., polish	4.05	
Roach, Harry, seeding bank	5.00	
Robbins, G. B. Disinfectant Co., disinfectant and stain remover..	47.80	
Robinson Hardware Co., hardware	129.24	
Rushforth, W. E., printing envelopes	8.10	
Rushforth, W. E., 500 note heads	1.50	
Ryan, Simon B., taking school census, 30 days at \$3	90.00	
Sampson & Murdock Co., directory	3.00	
Sanitas Co., disinfectant	10.00	
Amounts carried forward	\$10,315.26	\$265,373.22

Amounts brought forward	\$10,315.26	\$265,373.22
Scribner, Arthur W., engrossing diplomas	27.95	
Shea, John, 1 bag G. A. salt .....	.75	
Sheridan, B. M., cash paid for post- age	118.00	
Sheridan, B. M., amount allowed for expenses,	8.75	
Sheridan, B. M., amount allowed for board of horse,	120.00	
Simpson, J. R., & Co., matches, polish .....	.73	
Smart, G. B. & Co., repairing atomizer .....	.25	
Somerville Brush Co., brushes and dusters	33.00	
Stanchfield, H. J. & Co., hard- ware	35.07	
Stiegler, E. C. & Co., repairing carpet sweeper .....	.75	
Stillings, Louisa E., 1 horse	200.00	
Strauss, Frank, mops and handles.	8.45	
Sullivan, Patrick, amount awarded for death of child	500.00	
Sullivan, Michael, expenses after department carriage	1.00	
Swan & Berndtson, labor, manure, etc.	22.20	
Taylor, W. L., sawdust and team- ing,	24.20	
Telegram Pub. Co., advertising ...	16.00	
Tepfer, F., carting	5.25	
Thompson Bros., sharpening mower and sloyd knives	2.70	
Thorpe, P. A., caning chairs	4.00	
Amounts carried forward	<u>\$11,444.31</u>	<u>\$265,373.22</u>

Amounts brought forward	\$11,444.31	\$265,373.22
Todd Bros., cleaning carpet	13.04	
Toye Bros., ice	15.00	
Treat Hardware & Supply Co., hardware	56.88	
Wagland, A. H., labor and turf ..	16.32	
Weiss, H. C., teaming	49.30	
West Disinfectant Co., disinfectant	22.50	
Williams Carriage Co., hacking ..	.50	
Winship, A. E., address at grad- uation and expenses	26.06	
O'Mahoney, M., fuel	12,896.28	
		24,540.19
		<u>\$289,913.41</u>

SEWER DEPARTMENT.

Appropriation	\$19,500.00	
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		<u>\$19,500.00</u>
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Receipts.

Sundry Persons, assessments	\$9,013.89	
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Osgood Street Sewer Loan, 1907, transfer	15.35	
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Ward One Sewer Loan, 1908, transfer	104.98	
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Ward One Sewer, transfer	377.98	
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		<u>9,512.20</u>
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Incidental Dept., transfer to bal- ance overdraft	14,197.77	
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		<u>14,197.77</u>
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		<u>\$43,209.97</u>
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Expenditures.

Alexander, C. I. & Sons, flash light	1.75	
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Bean & Poore, lumber	26.05	
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Black, A. B. Road Machinery Co., 2 sanitary carts	500.00	
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Boston Engineers Supply Co., 600 feet hose	360.00	
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Bride, Grimes & Co., valve, packing	21.12	
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Buckley, M. P. & Son, castings ...	66.00	
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Buckley, M. P., castings, man- holes and basins	2,102.58	
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Carroll, M., teaming	60.00	
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Amount carried forward	\$3,137.50	
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Amount brought forward	\$3,137.50
Carroll, W. J., 1000 feet pipe	300.00
Casey Bros., horse hire, 14 days ..	14.00
Casey, C. M., Donovan & Arundel, Attys., settlement case vs. City	206.98
Davis Foundry Co., castings	462.42
Dwyer, R. J., 16 prs. rubber boots.	72.00
Dyar Supply Co., 25 sets couplings	17.50
Ellis, Fred, rent of auto, com- mittee on sewers	21.00
Evans, J. J., pipe	480.40
Gage, G. L. Co., pipe and cement	241.79
Garvey Bros., oil	9.35
Gifford & Damina, rent of auto...	21.00
Hannagan Gutter Snow Plow Co., catch basins and covers, etc. ...	915.00
Holland, Philip, pipe	310.80
Johnson, R., H. R. Lawrence, Atty., damage occasioned by backing of water	27.45
Keystone Oil Co., K oil, barrel, etc.	46.79
Kneupfer, R. G., automobile hire..	14.00
Lane & Rutter, teaming	95.00
Lawrence C. B., H. R. Lawrence, Atty., damage by sewer over- flow	114.50
Lawrence Rubber Co., boots, coats, hats, suits,	118.87
Ludlow Valve Mfg. Co., 6 hydrant wrenches	4.50
Mahony's, D. D. Sons, 3 pairs boots	14.00
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Amount carried forward	\$6,644.85

Amount brought forward	\$6,644.85
Matthes, L. Jr. & Co., dinners	6.25
McCabe & Finzel, labor	2.85
McCarthy, C. A., M. D., profes- sional services	10.00
McCarthy, J. W., 2 pairs socks,...	.50
McCarthy, J. W., 18 pairs rubber boots	79.00
Mitchell & Harding, lumber	661.68
O'Brien, F. H., shoeing and labor on tools	10.00
O'Brien, Thos., labor and ma- terial	162.21
O'Mahoney, M., 4000 brick	44.00
O'Mahoney, M., cement and pipe	176.05
O'Mahoney, M., coal	66.23
Rae, W. P., sand and gravel.....	108.00
Rae, W. P., teaming	144.00
Robinson Hardware Co., tools, pipe, etc.	774.88
Roche, J. M., brick	3,270.00
Rogers, J. M., manholes and covers	224.00
Sampson, G. H. Co., 200 exploders	9.21
Sam Smith Machine Co., labor and material	41.02
Schwarzenberg, W. H., 2 balls line, .....	.60
Shufelt, A. D., 63,000 brick	630.00
Stevens, C. W., assessment which should have been charged to J. H. Hancock	15.80
Theberge Bros., 135 bbls. cement at \$1.81	244.35
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Amount carried forward	\$13,325.48

Amount brought forward	\$13,325.48	
Treat Hardware & Supply Co., tools and hardware	46.78	
Wagenbach, J. & Son., 700 brick ..	7.00	
Wagenbach, J. & Son, amount due on Merrimack street sewer con- tract	122.95	
Wagenbach, J. & Son, pipe	585.00	
Wagner & Matthes, dinners, sewer committee	7.35	
Watts Regulator Co., material and labor	6.98	
Williams Carriage Co., use of 4- seater	7.00	
		<u>14,108.54</u>
Pay roll	29,101.43	
		<u>29,101.43</u>
Total expenditure, year of 1910 ..		\$43,209.97

WARD ONE SEWER.

Appropriation	\$10,000.00	
		<u>\$10,000.00</u>

Expenditures.

Black, A. B. Road Machine Co., 1 sanitary cart	\$ 250.00	
Boston Engineers' Supply Co., 32 feet hose and 2 sets couplings	69.00	
Amount carried forward	\$319.00	

Amount brought forward	\$319.00	
Bride, Gimes & Co., 50 lbs. oakum,	3.50	
Buckley, M. P., 6 catch basins, frames and covers	90.30	
Buckley, M. P., 6 manholes, frames and covers	90.30	
Carroll, Michael, teaming	200.25	
Cox, Louis, 6 loads screened sand at \$2	12.00	
Dwyer, Robert J., 15 prs. rubber boots	70.00	
Dyar Supply Co., 2 cases dyna- mite	16.25	
Gage, Geo. L. Co., 80 lbs. rosen- dale, 400 bags portland	304.00	
Garvey Bros., 50 gal. oil	5.50	
Mahoney's, D. D. Sons, 4 prs. rub- ber boots	16.00	
O'Brien, F. H., pointing and steel- ing 46 picks	34.50	
Robinson Hardware Co., pipe and tools	1,199.23	
Schwarzenberg, W. H., tools	23.22	
Treat Hardware & Supply Co., tools	37.25	
Wagenbach, J. & Sons, 2,100 feet pipe at 20c	420.00	
Wagenbach, J. & Sons, 40 feet Y at 40c	16.00	
		<hr/>
Pay roll	6,764.72	2,857.30
		<hr/>
		6,764.72
		<hr/>
Total expenditure, year of 1910 ..		9,622.02

Amount brought forward		\$9,622.02
Unexpended balance transferred to Sewer Dept.,	\$377.98	
		<u>\$377.98</u>
		<u>\$10,000.00</u>

SIDEWALK DEPARTMENT.

Appropriation	\$16,000.00	
		<u>\$16,000.00</u>
Receipts.		11,222.47
Incidental Dept., transfer to bal- ance overdraft	29,141.29	
		<u>29,141.29</u>
		<u>\$56,363.76</u>

Expenditures.

Bailey, C. F., grading	\$ 3.00
Bailey, C. F., laying 110 sq. yds. stone at 22½c	24.75
Bailey, C. F., hauling 3 loads fill- ing at \$1.50	4.50
Bailey, C. F. & Co., 112.96 sq. yds. tar concrete at 45c.	50.83
Bailey, C. F. & Co., 46.22 sq. yds top concrete at 22½c	10.40
Bailey, C. F. & R. M., 2257.93 sq. yds. tar concrete at 45c	1,016.07
Bailey, C. F. & R. M., 1527.75 sq. yds. top concrete at 22½c	343.75
	<u></u>
Amount carried forward	\$1,453.30

Amount brought forward	\$1,453.30
Bailey, C. F. & R. M., 35.07 sq. yds. hard top walk at \$1.00	35.07
Bodwell, S. Byron, 64.60 sq. yds. hard top walk at \$1.00	64.60
Bodwell, S. Byron, 445.43 sq. yds. top concrete at 22½	100.22
Bodwell, S. Byron, 1877.91 sq. yds. new concrete walk at 45c	845.06
Bodwell, S. Byron, labor, grading.	3.75
Bodwell, S. Byron, teaming	11.60
Burke, Margaret, J. P. Kane, Atty., settlement in full of case against city	500.00
Carney, Sarah E., Ford & Ford, Attys., settlement in full of case against city	375.00
Donovan, Chas., 1076.11 sq. yds. granolithic at \$1.80	1,936.99
Donovan, Chas., 1528.2 lin. ft. granolithic curb at 75c	1,146.15
Fuller, May, M. A. Cregg, Atty., settlement in full of case against city	450.00
Handler, Nathan, Sullivan Bros., Attys., settlement in full of case against city	133.00
Holland, Philip, 5692.86 sq. yds. new concrete walk at 45c	2,561.78
Holland, Philip, 16,924.9 sq. ft. granolithic walk at 20c	3,384.98
Holland, Philip, 62.36 sq. yds. top concrete at 22½c	14.03
Amount carried forward	\$13,015.53

Amount brought forward	\$13,015.53
Holland, Philip, 599.83 sq. yds. granolithic at \$1.80	1,079.69
Holroyd, C. H., H. R. Lawrence, Atty., settlement in full of dam- ages against city	50.00
Horne, G. H. Co., 148.14 sq. yds. tar concrete at 45c	66.66
Horne, G. H. Co., 296.21 sq. yds. top concrete at 22½c	66.65
Kane, Bridget, J. P. Kane, Atty., settlement in full of case against city	750.00
Lawrence Granite Co., 35,500.7 sq. ft. edgestone at 44c	15,620.31
Lawrence Granite Co., corner stones, etc.	369.45
Lawrence Granite Co., demurrage for 1910	53.00
Lees, Sarah, T. F. Delaney, Atty., settlement in full of case vs. city	700.00
O'Mahoney, M. Est., hauling 864.8 ft. stone at 5c	43.24
Rae, W. P., Bradley & Dooley, Atty., settlement in full of case against city	575.00
Rae, W. P., hauling 34,648 ft. edge- stone at 5c	1,732.40
Rae, Wm. P., 1997.47 sq. yds top walk at 22½c	449.43
Rae, Wm. P., 7069.13 sq. yds. new concrete at 45c	3,181.11
Rae, W. P., 108.69 sq. yds. hard top concrete at \$1.00	108.69
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Amount carried forward	\$37,861.16

Amount brought forward	\$37,861.16	
Riley, Catherine, C. A. Clifford, Atty., settlement in full of case against city	625.00	
Robinson, Hardware Co., hardware	3.68	
Smith & Bingham, 12,742.49 sq. yds. new concrete walk at 45c...	5,734.13	
Smith & Bingham, 31.20 sq. yds. top dressing	7.02	
Smith & Bingham, 6676.18 sq yds. top walk at 22½c	1,502.15	
Smith & Bingham, 225.76 sq. yds. hard top concrete at \$1.00	225.76	
Smith & Bingham, grading and teaming	118.25	
Treat Hardware & Supply Co., hardware	11.56	
Wagenbach, J. J. & Sons, 1185.45 sq. yds. granolithic walk at \$1.80,	2,133.81	
Welsh, Edward, M. S. O'Brien, Atty., settlement in full of case against city	600.00	
		<hr/>
		48,822.52
Pay roll—Men employed by Super- intendent of Streets	7,541.24	
		<hr/>
		7,541.24
		<hr/>
Total expenditure, year of 1910		\$56,363.76

STREET DEPARTMENT.

Appropriation \$78,000.00

\$78,000.00

Receipts.

Lyons, P. J., Supt., collections	\$ 870.92
Lyons, P. J., Supt., refund on Oc- tober, '09, Draft	50.00
Sundry Persons, street sprinkling assessments	12,719.75
Refund, error on P. R. No. 34	05
Police Dept., transfer	9.28
Public Library Dept., transfer	20.68
Water Works Dept., transfer	2.05
Haverhill & So. N. H. Street Railway Co., excise tax	438.37
Commonwealth of Massachusetts, excise tax	4,227.07
Standard Oil Co. of New York, sale of oil	248.34
Water Street Extension, transfer .	169.26

18,755.77

Incidental Dept., transfer to balance overdraft,	80,520.39
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80,520.39

\$177,276.16

Expenditures.

SALARY.

Needham, John C., Superintendent		
3 days in Jan.	\$ 12.30	
Lyons, Patrick, Superintendent ..	1,487.70	
	<hr/>	\$1,500.00

PAID FOR HAY AND GRAIN.

American & Sun Pub. Co.	12.78	
Carney, M. & Co.	729.56	
Central Grain Store	189.50	
Shea, John	172.75	
Stanley Grain Co.	6,001.96	
Webster, H. K. Co.	139.19	
	<hr/>	7,245.74

MISCELLANEOUS EXPENDITURES.

Ahern, A. B., meal, soap, oil, etc. ...	23.23	
Alexander, Albert, bringing road roller from Lawrence to Stone- ham	16.62	
American Express Co., expressing	3.85	
American-Sun Pub. Co., 27 pp. annual report at \$1.03½	27.95	✓
Archibald Wheel Co., wrenches, axles	28.85	
	<hr/>	<hr/>
Amount carried forward	\$100.50	\$8,745.74

Amounts brought forward	\$100.50	\$8,745.74
Atkinson, W. H., keys and filing saws	1.65	
Bailey-Noonan Co., 2500 letter heads	11.50	
Banville, P. W., plumbing	13.45	
Barrett Mfg. Co., tarvia	455.00	
Bean & Poore, lumber	30.96	
Berenson, A. J., return of bi- cycle	3.00	
Berry Bros., bicycle	27.50	
Berry Bros., repairing bicycle	21.55	
Black, A. B., 1 street sweeper	335.00	
Black, A. B., oil	10.85	
Black, A. B., 1 reversible road ma- chine	335.00	
Black, A. B. Road Machinery Co., bins, etc.	8.00	
Black, A. B. Road Machinery Co., scarifier	225.00	
Blake, G. A., 3 faucets	7.50	
Boston & Maine R. R., freight ...	3,570.51	
Boston & Maine R. R., 3 50-ride tickets	60.75	
Bride, Grimes & Co., labor and material	257.03	
Brink, C. I., replacing 2 glasses broken snow plowing	20.00	
Buckley, M. P., catch basins	452.13	
Buckley, Samuel, pipe, etc	32.28	
Buffalo Steam Roller Co., repair- ing steam roller	29.70	
Buffalo Steam Roller Co., grease ..	6.25	
Buffalo Steam Roller Co., 1 steam road roller	3,000.00	
Amounts carried forward	\$9,015.11	\$8,745.74

Amounts brought forward	\$9,015.11	\$8,745.74
Burke, M. J., insurance	14.24	
Calderwood, F. L., harness repairing, etc.	54.95	
Carroll, W. J., 1,000 ft. 10-inch pipe at 30c	300.00	
Cemetery Dept., man operating roller and gasoline	4.55	..
Cole, A. L., stationery and supplies	33.00	
Collins, F., automobile hire	36.00	
Connor, J. F., towel supply	37.50	
Co-op File Co.	1.40	
Davey, Peter B., 6 funnels for watering carts	24.00	
Davis Foundry Co., castings	11.23	
Dick & Trumpold, 32 pp. 1909 report at \$1.14	36.48	
Dillon, C. W., angle iron .....	.75	
Dyar Supply Co., push carts, car chute	135.00	
Dyer & Co., stationery and supplies	59.95	
Edmonds, E. P., 6 iron fasteners ..	3.00	
Eisenmann, J. & Co., 6 doz. brooms with scrapers	42.00	
Ellis Fred, automobile hire, committee on streets	42.50	
Empire Laundry, towel supply ...	39.00	
English, P., shoeing	1.00	
Essex Co., rent of land	10.00	
Evans, John J., cement and pipe ..	490.60	
Flynn, J. F., medicine	10.00	
Gage, G. L. Co., lime and cement. .	6.90	
Amounts carried forward	\$10,409.16	\$8,745.74

Amounts brought forward	\$10,409.16	\$8,745.74
Garvey Bros., soap, powder and oil	21.65	
Garvey, M. F., 1 sleigh	40.00	
Hall Paint & Hardware Co., supplies, .....	.75	
Halloran, Wm. F., electrical work.	49.25	
Hamblett Machine Co., crank shaft and labor	65.25	
Hildreth & Rogers Co., advertising	5.00	
Holland, Philip, 334 bbls. cement at \$1.80	601.20	
Hvass, Chas. & Co., refilling broom	14.00	
Kneupfer, R. G., automobile hire..	39.00	
Kress Bros. Carriage Co., repairs	10.63	
Kress, O. F. & Son, labor and material	51.93	
Lane, D. M. Co., repairing wagons, etc.	79.50	
Lane, D. M. Co., 1-2-horse jigger.	215.00	
Lawrence Bindery Co., order book .....	.50	
Lawrence Drop Forge & Tool Co., labor on tools, roller, castings, tires, etc.	255.75	
Lawrence Gas Co., electricity	157.84	
Lawrence Gas Co., Tungsten lamp and labor	1.25	
Lawrence Rubber Co., stamps, gloves, coats, etc.	20.16	
Lyons, John, 3 5-6 doz. blankets ..	154.50	
Lyons, John, repairing harness, etc.	1,050.35	
Lyons, John, 1 set double harness.	75.00	
Amounts carried forward	<u>\$13,317.67</u>	<u>\$8,745.74</u>

Amounts brought forward	\$13,317.67	\$8,745.74
Lyons, John, 3 sets harness	126.00	
Lyons, Patrick, P. O. box and postage	40.66	
Lyons, Patrick, expenses .....	.30	
Lyons, Patrick, R. R. fares to New York and return	15.00	
Lyons, Patrick, hotel expenses, 3 days at \$7.50	22.50	
Mahoney, M. J., Jr., automobile hire, committee on streets	24.00	
Matthes, L. & Co., dinners, commit- tee on streets	16.75	
McCabe, E. & Co., labor on boiler, and supplies	34.39	
McCabe & Finzel, labor and ma- terial	22.75	
McCarthy, J. F., plumbing and repairing	1,972.62	
McDonnell, T. E., 1 bay mare	200.00	
McDonnell, T. E., 4 pair bay horses	2,240.50	
McDonnell, T. E., buggy	170.00	
McDonnell, T. E., difference in exchange of horse	100.00	
McDonnell, T. E., horse hire	31.00	
McDonnell, T. E., horse at pasture	30.00	
McDonnell, T. E., 1 bay horse	300.00	
McEaney, T. J., 3½ doz. globes	3.50	
McKay, E. C., shoeing	6.75	
Merchants' Co-op Express Co., ex- pressing	4.75	
Mitchell & Harding	112.14	
Moorehouse, A. D., leather pads ..	19.20	
Moran, Edward, inspecting 3 boilers	15.00	
Amounts carried forward	\$18,825.48	\$8,745.74

Amounts brought forward	\$18,825.48	\$8,745.74
Morrison, Wm., repairing harness .	7.35	
Morrison, Wm., 1 set harness	38.00	
Morrison, Wm. & Son, 3 patterns for road roller	50.00	
Mullen & Murch, varnish, spirits nitre	14.03	
Municipal Engineering Co., sub- scription	4.00	
Municipal Journal & Engineer sub- scription,	3.00	
Murphy, M. A., shoeing and repairing .....	.75	
Nat. Chemical & Supply Co., dis- infectant	13.50	
National Belting Co., belt	46.55	
Newall, J. D., labor	10.55	
N. E. Tel. & Tel. Co., rental	110.60	
Nugent Press, letter heads and en- velopes	14.84	
O'Brien, F. H., forge blower with pipe	25.50	
O'Brien, F. H., shoeing and re- pairing tools, etc.	203.95	
O'Brien, Thos., lumber and labor..	987.70	
O'Mahoney, M., Est., 2 bbl. lime..	2.30	
Prescott, G. H., 5 horses,	1,400.00	
Remington Typewriter Co., 1 type- writer,	90.00	
Roche, J. M., brick,	1,842.10	
Robinson Hardware Co., hardware and tools,	2,289.82	
Ruchforth, W. E., advertising, let- ter heads,	9.50	
Sampson & Murdock Co.,	6.00	
Sam. Smith Machine Co., labor on tools, etc.,	8.10	
Schueler, C. T., 10,000 pay bills,...	15.00	
Schwarzenberg, W. H., hardware,	8.65	
Amounts carried forward	\$26,027.07	\$8,745.74

Amounts brought forward	\$26,027.27	\$8,745.74
Seymour, George, opening lock, keys,	1.00	
Shufelt, A. D., labor and material, ..	525.24	
Slater, John Co., funnels, grate, etc	7.13	
Smith, A. P. Mfg. Co., sleeves and valves,	67.10	
Snow, F. E., tires, repairing wag- ons, painting, etc.,	347.67	
Spicket Broom Co., 1 doz. stable brooms,	6.00	
Stafford, J. H. Co., street sweep- ing brush,	13.00	
Stafford, Wright & Son, work on boilers,	1.05	
Stanchfield, H. J. & Co., hardware and tools,	131.33	
Standard Oil Co., asphalt binder and road oil,	977.11	
Stanley-Porter Co., roll top desk, ..	85.00	
1 typewriting desk and chairs, ..	77.00	
1 writing desk and stool,	57.50	
Oil, lead, labor, etc.,	402.87	
Stoneham, Town of, use of steam roller 51 days,	331.50	
Studebaker Bros. Co., 1 road oiler,	900.00	
Slides, rods, springs, etc.	18.20	
Telegram Pub. Co., advertising, ..	9.00	
Treat Hardware & Supply Co., hardware and tools,	111.98	
Wagenbach, J. & Sons, 220 bbls. cement at \$1.80,	396.00	
29 days loan of concrete mixer, ..	87.00	
Cement bags not returned during 1908 and 1909,	145.90	
Wagner & Matthes, dinners, street committee,	10.00	
Water Works Dept., material and labor,	83.59	
Meter,	10.00	
Amounts carried forward	\$30,829.44	\$8,745.74

Amounts brought forward	\$30,829.44	\$8,745.74
Service, water .....	.45	
Watts Regulator Co., repairing hydrant, jack, gear, etc.,	10.75	
Welch, Jessie E., typewriting two copies of report,	15.00	
White, J. E. Co., belt,	1.00	
Wills, A. J., automobile hire, com- mittee on streets,	16.00	
Wilson, Andrew, skylight, flashing and repairs,	21.45	
Winchester, John F., services and medicine,	157.30	
		<u>31,051.39</u>

Street Watering.

Water Works Dept., $\frac{3}{4}$ of one per ct. of frontage on streets sprinkled.	2,151.90	
Sundry persons, abatements,	216.60	
Fleming, John, abatement,	11.83	
American Car Sprinkler Co., street car sprinkling,	7,608.33	
Begley, P. F.,	655.50	
Bourque, E.	655.50	
Brox, Jim	655.50	
Carroll, D.	655.50	
Carroll & Casey,	655.50	
Collins, James	655.50	
Cronin, John	653.00	
Desmond, J.	680.50	
Ewald, John	90.00	
Ewald & Hoffman	565.50	
Hey, John	655.50	
Lane, D.	370.50	
Lane, D., Second	95.50	
Lane, M.	655.50	
Lane, W.	407.50	
Linehan Bros.,	655.50	
McCarthy, M. F.	655.50	
McDonnell, T. E.	655.50	
Morrissey, J. J.	150.00	
Nassur, Jim,	655.50	
Amounts carried forward	\$20,867.16	\$39,797.13

Amounts brought forward	\$20,867.16	\$39,797.13
Rutter, Chas. G.,	395.00	
Theberge, George	653.00	
Wagenbach, J.	655.50	
		\$22,570.66

Teaming, Hauling Snow and Plowing.

Barry, Frank	37.50	
Barry, James J.	52.50	
Barry, John	6.75	
Begley, P. F.	138.75	
Bodwell, S. B.	152.90	
Bourque, E.	97.75	
Carey, John	257.08	
Carroll, M.	220.00	
Carroll, M. & Sons,	13.50	
Carroll, W. J.	1,749.75	
Casey, Bros.	52.50	
Collins, James	397.50	
Cronin, J. J.	320.00	
Evans, J. J.	47.50	
Ferland, Henry	32.50	
Finucane, J. D.	120.00	
Fleming, J. P.	12.38	
Flint, G. E.	2.00	
Francesco, Ettore	56.00	
Hamel, N.	15.00	
Hill, J. Q.	67.50	
Holland, Philip	2,165.00	
Knapp, P. H.	46.00	
Lane, Daniel	388.32	
Lane & Rutter	57.50	
Lawrence Ice Co.	139.50	
Leclerc, V.	65.00	
Linehan Bros.	516.90	
Martin, John	55.00	
McCarthy, J. W.	963.42	
McCarthy, M. F.	32.50	
Amounts carried forward	\$8,278.50	\$62,367.79

Amounts brought forward	\$8,278.50	\$62,367.79
McDonnell, T. E.	528.50	
McGovern, E.	35.00	
Moisey Pacific	15.00	
Morrissey, John J.	666.75	
Nahal, Mike	71.00	
O'Mahoney, M. Est.	51.75	
Pelkey, Luke	45.00	
Quinn, L. M.	220.00	
Rae, W. P.	2,851.02	
Rae, W. P. & R. J.	1,067.80	
Rutter & Lane	76.50	
Scanlon, E. J.	10.00	
Smith, H. E.	75.00	
Smith & Bingham	9.00	
Tattersall, T. H.	34.00	
Theberge Bros.	518.00	
Toye Bros.	40.00	
Wagenbach, J. & Sons	1,366.00	
Wingate, C. E.	45.00	
Woekel, C. & Co.	67.50	

\$16,071.32

Fuel.

Bateman, G. S.	56.69
Gage, G. L. Co.	5.50
Humphrey, E. H.	6.50
McLane, J. B. ....	.85
O'Mahoney, M. Est.	1,472.11
Runnells, O. E.	58.57
Water Works Dept.	74.33

\$1,674.55

Paid for Sand, Gravel and Stone.

Bodwell, S. B.	9.00
Carey, John	46.00
Carroll, W. J.	992.00
Cox, Louis	93.00
Essex Trap Rock and Construction Company,	841.87

Amounts carried forward	\$1,981.87	\$80,113.66
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Amounts brought forward	\$1,981.87	\$80,113.66
*Holland, Philip	9,543.00	
Massachusetts Broken Stone Co.,..	2,446.43	
McCarthy, J. W.	226.00	
O'Mahoney, M. Est.	105.34	
Quinn, L. M.	37.50	
Rae, W. P.	1,472.00	
Rae, W. P. & R. J.	159.00	
*Snow & Horsfal	614.29	
Wagenbach, J. & Sons	1,302.00	
		\$17,887.43

Claims, Cases vs. City.

Belknap, Virginia, D. A. Arundel, attorney,	300.00
Cohen, Moses, L. H. Schwartz, at- torney,	200.00
Conroy, Ed. C.	60.00
Haigh, Winifred, Edward McAn- ally, attorney,	200.00
Hildreth & Rogers Co.	450.67
Hogan, Robert, J. J. Donovan, at- torney,	750.00
Kennedy, Mary, J. J. Sullivan, at- torney,	235.00
Long, A. T.	45.00
Marston, Jennie M., Rowell & Clay, attorneys,	210.00
Muldowney, J. J.	350.00
Roberts, J. T., M. F. Cronin, at- torney,	125.00
Sayers, T. J., Donovan & Arundel, attorneys,	400.00
Shultz, Joseph, Mahoney & Ma- honey, attorneys,	104.00
Waters, Michael, H. S. McConnor, attorney,	60.00

Amount carried forward

\$101,490.76

Amount brought forward		\$101,490.76
Pay Roll, men employed by Superintendent of Streets,	75,785.40	
		<u>\$75,785.40</u>
Total expenditure, year of 1910, ..		<u>\$177,276.16</u>

*Bills Approved but Payment Withheld.

Holland, Philip	\$1,470.00
Snow & Horsfal,	614.29
	<u> </u>

WASHINGTON STREET EXTENSION.

Unexpended balance Jan. 1, 1910,	<u>\$169.26</u>	
		\$169.26
Expended.		
Street Department, labor, teams and material,	<u>\$169.26</u>	
		<u>\$169.26</u>
		=====

STATE AID DEPARTMENT.

The City Treasurer has paid through the Paymaster of State Aid under the provisions of Chapter 468, Acts of 1899, to disabled soldiers and sailors and their families, and the families of the slain, on resolution of the City Council authorizing such payments and providing, therefor which will be reimbursed by the State,	<u>\$6,050.00</u>	
		\$6,050.00

WATER WORKS DEPARTMENT.

Unexpended balance, Jan. 1, 1910, \$7,602.92

\$7,602.92

Receipts.

Sundry persons, use of water, ...	\$146,137.73
Service pipe and meter,	9,886.09
Paving Loan, 1910, transfer,	13.13
Incidental Dept., transfer,	<u>244.13</u>

\$156,281.08

\$163,884.00

Expenditures.

Salaries.

Cusack, W. C.	100.00
Collins, M. F.	1,800.00
Campbell, J. B.	1,200.00
Hickey, John	<u>1,300.00</u>

\$4,400.00

Paid for Hay and Grain.

Driscoll, M. J.	29.88
Robinson, H. A.	38.03
Stanley Grain Co.,	<u>556.64</u>

\$624.55

Amount carried forward

\$5,024.55

Amount brought forward		\$5,024.55
Miscellaneous Expenditures.		
Alexander, C. I & Sons, repairing machine, .....	.75	
Allyne Brass F'd'y' Co., leadcoupl,	13.80	
Almond, R. Mfg. Co., tool holder with cutters,	17.33	
American Express Co., expressing,	50.73	
American Mason Safety Tread Co. three mason safety treads,	3.91	
American-Sun Pub. Co., bills, reports, adv.,	114.00	
58½ pp. report at \$1.03½	60.54	
Arundel, J. J., rent of stable 12 months,	108.00	
Atkinson, W. H., filing saws,	2.80	
Bailey, Noonan Co., blanks, records, postals, books, etc.,	92.50	
Bannon, J. H., M. D., professional services,	27.00	
Barrett Mfg. Co., carbonol,	1.50	
Bee, Timothy, labor and material,	21.50	
Bodwell, S. Byron, labor, patching around hydrants,	16.20	
Boston Engineers' Supply Co., hose, oil, dynamite, etc.,	1,122.03	
Boston & Lawrence Express Co., expressing,	1.05	
Boston & Maine R.R., freight, ...	1,271.74	
Bowlby, A. P., carting, .....	.75	
Bradley, C. E. & H. J., insurance, ..	70.70	
Bride, Grimes & Co., trap, pipe, lead, hdr. labor, etc.,	850.05	
Builders' Iron Foundry, tees, reducers, etc.,	395.80	
Burroughs Wellcome & Co., reg. Lacmoid T-I., .....	.17	
Cancos Mfg. Co., polish, valves, ..	16.50	
Carr, Chas. Estate of, rep'g machine, gaskets,	56.00	
Carroll, W. J., teaming,	1,768.02	
Amounts carried forward	\$6,083.37	\$5,024.55

Amounts brought forward	\$6,083.37	\$5,024.55
Cement and lime,	41.75	
Horse hire,	19.50	
Gravel and loam,	13.00	
75 lbs. dynamite,	18.75	
Pipe, .....	.80	
Nine loads manure,	18.00	
Chadwick-Boston Lead Co., pipe, lead,	532.50	
Champion-International Co., paper, Chapman Valve Mfg. Co., hydrants complete repair,	2.52	
	19.44	
Coburn. C. B. Co., paint,	112.40	
Coffin Valve Co., expansion joints,	115.00	
Cole. A. L., stationery and supplies	21.48	
Collins, M. F., cash paid for post- age and P. O. box rent,	80.00	
Two 50-ride tickets,	40.50	
Expenses,	13.10	
Expenses attending convention of N. E. W. W. Assn. at Rochester, N. Y.,	43.00	
Colpits, H. T., bulbs,	2.50	
Crosby Steam Gauge & Valve Co., records,	40.00	
Ink, cards, charts,	10.70	
Cross Coal Co., coal,	1,071.46	
Curran & Joyce Co., tonics,	8.00	
Darling Pump & Mfg. Co., hy- drant, valves, etc.,	70.25	
Davey, Peter B., 14 heavy tin dip- pers, 12 cups,	18.00	
Davis Foundry Co., castings,	1,138.44	
Dean Hardware Co., gasoline and glass,	48.01	
Dearborn Drug & Chemical Co., boiler feed water treatment, ...	81.53	
Desmond, J. J., expenses attending convention of N. E. W. W. Assn. at Rochester, N. Y.,	43.00	
Amounts carried forward	\$9,707.00	\$5,024.55

Amounts brought forward	\$9,707.00	\$5,024.55
Dick & Trumpold, 64 pages report at \$1.14,	72.96	
Dillon, C. W., one Concord wagon and rep'g top,	156.00	
Dove Machine Co., labor and ma- terial,	115.85	
Dyer & Co., stationery and sup- plies,	11.45	
Empire Laundry, towel supply, ..	13.00	
Engineering News, subscription, .	5.00	
Enterprise Fdy. and Fence Co., spec. iron fence with posts and gates set up,	4,806.62	
Essex Co., five percent receipts from water used on elevators and motors,	86.89	
Flynn, Ed., plants,	87.14	
Fuller, George S., services,	18.50	
Gallison's Brass Foundry castings, Gamon Meter Co., meters and c'p'lg.,	670 47	
Gifford-Wood Co., rivets	16.80	
Glaubert Brass Mfg. Co., stop and waste, .....	.59	
Guenette, E., tools, labor, etc.,	8.14	
Hall Paint & Hardware Co., oil, gasoline	60.05	
Halloran, W. F. & Co., electrical work,	38.47	
Hamblett & Hayes Co., belt and lace,	128.47	
Hathaway, E. C., diving and ex- penses,	30.96	
Heath Grate Bar Co., grates,	30.30	
Hersey Mfg. Co., disc, meters, etc.	148.50	
Hickey, J. C., expenses,	170.10	
Hildreth & Rogers, bills, labels, adv., etc.,	6.50	
Hudson, C. E., lines and grade for fence around reservoir,	98.55	
	10.00	
Amounts carried forward	\$16,498.31	\$5,024.55

Amounts brought forward	\$16,498.31	\$5,024.55
Jenks, H. F. Co., cups and chain, bibbs,	38.64	
Keating, Walter, alcohol,	1.00	
Kennedy Valve Mfg. Co. valves and boxes,	981.42	
Kernon, Thomas F., 200 sand- wiches and coffee,	25.00	
Keystone Oil Co., 195 gal. K. oil, ..	15.08	
Knowles, Morris, professional ser- vices with report, proposed new pumping installation,	300.00	
Kress, O. F. & Son, repairing, ....	.50	
Lane, D. M. Co., repairing,	28.50	
Sleigh and bells,	51.50	
Lawrence Bindery Co., books and index rebound,	64.00	
Lawrence Drop Forge & Tool Co., repairing tools, plow, etc.,	106.65	
Lawrence Gas Co., gas,	388.56	
Electricity,	157.72	
Supplies,	20.41	
Lawrence Granite Co., 1000 pav- ing blocks and labor on tools, ...	58.75	
Lawrence Ice Co., ice,	464.45	
Lawrence Lumber Co., lumber, ..	38.11	
Lawrence Polishing & Plating Works, nickel plating, .....	.50	
Lawrence Rendering Co., soft soap,	12.90	
Leader Pub. Co., notices,	10.50	
Lead Lined Iron Pipe Co., pipe and c'pl'g.,	1,111.50	
Library Bureau, files, guides and cards,	48.05	
Lockwood, J. H., shoeing,	12.00	
Lowell, City of, faucets and box, ..	4.65	
Ludlow Valve Mfg. Co., -valves, hdyt., pipe, etc.,	2,170.67	
Lynch, C. F., pipe and pig lead, ..	2,286.59	
Lynchburg Fdy. Co., pipe plugs, ..	27.30	
Lyons, John, repairing harnesses, ..	6.45	

Amounts carried forward	\$24,929.71	\$5,024.55
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Amounts brought forward	\$24,929.71	\$5,024.55
Macleod, W. & Co., 2 cup leathers, ..	.52	
Mahoney, D. D. Sons, 10 pr. boots, ..	40.00	
Matthes, Louis Jr. & Co., dinners, ..	4.70	
McCabe, E., studs, labor,	10.25	
McCabe, E. & Co., tubes, labor on standpipe, boilers, etc.,	303.96	
McCabe, T., keys,	3.24	
McCallum, Andrew, sleeve,	1.88	
McCarthy, C. A., M.D., profession- al services,	38.00	
McDonnell, T. E., horse hire, ...	64.00	
Board of three horses,	15.00	
Horse,	275.00	
McEvoy, James A., two negatives, ..	2.00	
McLanathan, F. W. & Son, belting, ..	7.34	
McNulty & Carty, pens, soapine, etc.,	8.50	
Merchants Co-op. Express Co., ex- pressing,	7.10	
Millar, Chas. & Son Co., pipe, ...	9,912.96	
Morris, G. A., shoeing,	25.80	
Morse Twist Drill & Mach. Co., taps and drills,	8.95	
Mueller, H. Mfg. Co., tunnelling spade, cocks, cplg., etc.,	179.17	
Municipal Journal & Engineer, subscription,	3.00	
Murphy, Maurice A., insurance, ...	53.50	
Murphy, M. A., shoeing,	57.01	
Nat'l Chemical & Supply Co., liquid soap,	1.50	
Nat'l Meter Co., meters and parts, ..	375.25	
Nat'l Mfg. & Sup. Co., curb box, .	3.75	
Neptune Meter Co., meters and parts,	1,949.96	
N. E. Tel. & Tel. Co., rental,	198.54	
New Lawrence Machine Co., blue- prints,	6.25	
North Andover Bd. of Pub. Wk., one gate box,	4.10	
Amounts carried forward	\$38,490.94	\$5,024.55

Amounts brought forward	\$38,490.94	\$5,024.55
Norwood Engineering Co., hydrant	45.20	
O'Brien, F. H., shoeing,	3.25	
O'Mahoney, M. Est., pipe,	8.16	
Coal,	6,708.92	
Pacific Mills, 1-3 cd. waste,	1.17	
Perrin, Seamans & Co., wrenches, jute, chain,	37.93	
Set harness,	40.00	
Peters, John, repairing harnesses, robe, blankets, etc.,	58.20	
Philadelphia Grease Co., grease, ..	121.50	
Pingree, D. W. Co., lumber,	72.80	
Pittsburg Meter Co., meters and cons.,	126.00	
Plant, Thos., G., comb. pipe, taps and drills,	19.32	
Postal Telegraph Cable Co., serv- ices, .....	.40	
Priest, Page & Co., taking out and repairing wagon scale,	37.75	
Public Property Dept., labor and material,	2,449.57	
Rae, W. P., repairing concreting around hydrants,	11.00	
Register Pub. Co., letter heads, en- velopes,	27.75	
Richardson & Clement, die,	3.75	
Robinson Hardware Co., hardware and tools,	163.69	
Rushforth, W. E., letter heads and envelopes and certificates,	19.50	
Sampson & Murdock Co., one di- rectory,	3.00	
Sam. Smith Mach. Co., tools,	6.45	
Sanitary Co. of America, service boxes,	2.60	
Scannell, Florence, wages due for eight weeks on account of injury,	96.00	
Scarborough Co., map,	1.45	
Schwarzenberg, W. H., oil,	4.75	
Amounts carried forward	\$48,561.05	\$5,024.55

Amounts brought forward	\$48,561.05	\$5,024.55
Shepperd, F. W., Pub. Co., sub- scription,	3.00	
Shufelt, A. D., mason work,	143.38	
Simpson, J. R. & Co., matches, soapine, etc.,	3.99	
Slater, John Co., dippers and iron, valves,	2.64	
Spaulding Print Paper Co., blue- prints,	707.85	
Spottiswood, J. H., one boiler policy,	5.04	
Squarebrigs, H. C., repairing type- writer,	200.00	
Stanchfield, H. J. & Co., hardware, Street Dept., street watering,	8.50	
Telegram Pub. Co., advertising, ..	370.65	
Theberge Bros., lime and cement,.. Fuel,	2.05	
Thompson Meter Co., meters, parts and repairing,	22.20	
Toye Bros., ice,	6.00	
Treat Hardware and Supply Co., hardware,	20.50	
Tredennick, L. & Co., paint	1,530.63	
United Brass Mfg. Co., valves, ...	389.52	
Union Water Meter Co., meters and conn.,	7.69	
Viger & Dubrule Co., medicine,..	9.00	
Virtue, W. E., burners,	21.85	
Wagner & Matthes, dinners,	42.00	
Walworth Mfg. Co., valve boxes..	5.00	
Water Works Equipment Co.,	18.00	
Watts Regulator Co., repairing,..	16.35	
Webb, F. W. Mfg. Co., cocks,	37.50	
Western Union Telegraph Co., ser- vice,	14.75	
Wheeler, C. H. Mfg. Co., bearing cap, babitted and finished com- plete,	13.25	
	243.96	
	3.93	
	93.50	
Amounts carried forward	\$52,504.68	\$5,024.55

Amounts brought forward	\$52,504.68	\$5,024.55
Williams Carriage Co., hacking,...	2.50	
Wood, R. D. & Co., nuts, oil, screws,	16.80	
Com. of W. L. S. Fund, annual payment to W. L. S. fund,	16,457.63	
Water Loan Interest, annual inter- est transferred from Water Dept. receipts,	28,480.00	

\$97,461.61

Pay Roll—Men Employed by Water Dept.

January	\$ 4,450.46
February	3,392.03
March	3,318.91
April	4,898.32
May	4,358.86
June	4,014.15
July	6,193.35
August	4,936.54
September	4,583.40
October	4,937.90
November	3,674.48
December	3,977.73

\$52,736.13

Total expenditure, year of 1910,	\$155,222.29
Unexpended balance, December 31, 1910,	\$8,661.71

\$8,661.71

\$163,884.00

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WATER WORKS LOAN OF 1906.

Unexpended balance Dec. 31, 1910	\$9,598.59
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\$9,598.59

Unexpended balance, Jan. 1, 1911,	\$9,598.59
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\$9,598.59

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ANTI-TUBERCULOSIS LEAGUE.

Appropriation,	\$5,000.00	
	<u> </u>	\$5,000.00
		=====

Expenditures.

Tuberculosis Hospital Loan of 1908, transfer,	\$5,000.00	
	<u> </u>	\$5,000.00
		=====

Tuberculosis Hospital Loan of 1908, department unexpended balance, Jan. 1, 1910,	\$16,085.07	
	<u> </u>	\$16,085.07

Receipts.

Cahill, M. A., collections,	\$ 242.30	
Anti-Tuberculosis Com., transfer, .	5,000.00	
Incidental Dept., transfer,	12,000.00	
Health Dept., transfer,	350.86	
	<u> </u>	\$17,593.16
		=====
		\$33,678.23

Expenditures.

Allen & Paisley Co., furniture,	\$ 315.14	
Arundel, E. L., insurance,	150.00	
Badger, E. B. & Son's Co., copper and iron work,	270.41	
	<u> </u>	
Amount carried forward	\$735.55	

Amount brought forward	\$735.55
Bailey, C. F., 314½ yds. concrete,	172.98
Bailey, M. J., provisions,	702.17
Bride, Grimes & Co., plumbing ...	1,065.75
Carlisle, G. H., hot coffee,	8.00
Currier, Todd Co., eggs,	83.40
Clifford, James H., painting	489.49
Collins, Luke, milk	14.30
Dempsey, Miss, 500 St. envelopes, addressed, etc.,	10.65
Flanagan, James, superintending construction,	1,000.00
Glennie, C. D., milk,	94.80
Fellows & Co., three dozen chairs,	58.50
Hildreth & Rogers Co., advertising	1.20
Heywood Bros. & Wakefield Co., furniture,	262.75
Lawrence Granite Co., 5 bound- stone and teaming,	6.00
Lawrence Gas Co., lighting,	67.95
Law. Elec. S. & C. Co., electrical work,	250.41
Law. Binding Co., letterheads and envelopes,	6.00
Law. Ice Co., ice,	5.35
Law. Rubber Co., rubber goods, ..	112.91
Musk & Lillis, furniture	356.00
Mack, A. E., insurance,	60.00
Murphy, M. A., insurance,	150.00
Morandi-Proctor Co., cooking and heating apparatus,	1,242.52
New Eng. Tel. & Tel. Co., rental, ..	.15
O'Mahoney, M. Est., coal,	179.15
O'Connell, B. T., insurance,	150.00

Amount carried forward

\$7,285.98

Amount brought forward	\$7,285.98
O'Sullivan, Jas. T., insurance ...	150.00
Peabody, E. A. & Son,	9,230.30
Pike, W. N. & Co., est. on con tract,	3,000.00
Pauper Dept. Dispensary, medicine	25.08
Reid & Hughes Co., dry goods, ...	2,316.17
Reid & Hughes, dishes,	33.67
Riley Bros., plumbing work,	3,394.00
Robinson Hdwe. Co., hardware, ..	13.50
Redenson Wright & Co., 100 spe- cial beds,	565.00
Sampson Soch Co., physician's sup- plies,	30.82
St. Pierre, T., groceries and pro- visions,	14.37
Stafford, W. & Son, boiler,	235.00
Sheehan, C. A. & Co., labor and teaming,	949.50
Stone, C. A., milk,	6.16
Sun-American Pub. Co., advertis- ing,	23.00
Telegram Pub. Co., advertising, ...	3.05
Tosney, Joseph, insurance,	150.00
Taylor, W. L., teaming,	39.36
Treat Hdw. & Supply Co., hard- ware,	28.45
Pay Rolls,	1,575.44
Wagenbach, J. & Sons, contract work,	600.00
Wagenbach, J. & Sons, grading and cesspools,	50.00
Wagenbach, J. & Sons, concrete steps,	62.00
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Amount carried forward	\$29,780.85

Amount brought forward	\$29,780.85	
Wagenbach, J. & Sons, window area,	2.25	
Total,	\$29,783.10	
Unexpended balance Dec. 31, 1910,	\$3,895.13	\$29,783.10
		\$3,895.13
		\$33,678.23

WARD FIVE SEWER LOAN OF 1910.

Receipts.

Ferneld & Co., Geo. A., sale of		
bonds, No. 1-90	\$70,000.00	
Premium,	1,071.70	
Interest,	194.44	
		<u>\$71,266.14</u>

Expenditures.

Beach Soap Co., 97 lbs. corn oil		
and 2 cans,	\$ 10.22	
Berman, Harris, teaming,	105.56	
Boody, F. W., 72M. brick,	784.80	
Bride, Grimes & Co., valve, pipe,		
labor, etc.,	59.34	
Cahill, M. J., 509 yds. cheese cloth,	28.18	
Carroll, W. J., teaming,	405.00	
74 D. ld. gravel,	184.50	
66 ld. gravel,	165.00	
Davis Foundry, 1506 lbs. castings		
at 3½c.	52.71	
Dwyer, R. J., 35 pr. rubber boots..	158.00	
Dyar Supply Co., 1 gasoline pump,	135.00	
Hose, cplg., cylinder head, etc.,..	53.50	
Evans, J. J., 416¼ bbl. cement at \$2	832.50	
Fleming & Gamble, stove and pipe,	10.75	
		<u>\$2,985.06</u>
Amount carried forward		

Amount brought forward	\$2,985.06
Gage, G. L. Co., coal,	54.09
Pipe,	136.08
15 bbl. lime,	18.00
Hannagan Gutter Snow Plow Co., catch basins, manholes, covers and frames,	801.00
Holland, Philip, 2967½ bbl. cement at \$1.85,	5,489.88
Keystone Oil Co., 210 gal. K oil, ..	14.70
Lawrence Lumber Co., lumber, ..	24.83
Lawrence Rubber Co., 4 pr. storm boots and 1 stamp,	17.18
McCabe, E. & Co., labor and ma- terial,	40.85
McCarthy, J. F., 50 ft. extra heavy steam drill hose and cplg.,	53.75
McCarthy, J. W., 24 pr. rubber boots,	84.00
Mitchell & Harding Lumber Co., lumber,	601.80
Morrissey, J. J., teaming,	137.50
O'Brien, F. H., sharpening 29 picks	21.75
O'Brien, T., stock and labor,	1,418.59
Old Colony Trust Co., preparation and certification of bonds,	165.00
O'Mahoney, M. Est., coal,	48.51
Pingree, D. W. Co., lumber,	96.69
Rae, W. P., 495 ld. gravel at \$2.50,	1,237.50
856 ld. sand at \$1.00,	856.00
175 bbl. cement at \$1.85,	323.75
211 bbl. cement at \$2.00,	422.00
Robertson, Sutherland Co., 54½ yd. cheese cloth,	2.73

Amount carried forward \$15,051.54

Amount brought forward	\$15,051.54	
Robinson Hardware Co., hose, tools and hardware,	523.17	
Roch, J. M., bricks,	3,694.60	
Smith Machine Co., hand forged, picks, rep'g engine, etc.,	64.50	
Schwarzenberg, W. H., saw,	1.00	
Shufelt, A. D., 56M brick at \$10,..	560.00	
Theberge Bros., 1320 bags cement at 50c,	660.00	
Treat Hardware & Supply Co., hardware,	65.23	
Wagenbach, J. J., 1163¾ bbl. ce- ment at \$2.00,	2,327.50	
900 ft. pipe, at 13c,	117.00	
840 ld. gravel at \$2.50,	2,100.00	
Teaming,	590.00	
240 bbls. lime, at \$1.25,	300.00	
500 ft. pipe at 14c,	70.00	
Wagenbach, J. J. & Sons, 435 bags cement at 50c,	217.50	
89 ld. gravel at \$2.50,	222.50	
Teaming,	170.00	
White, J. E. Co., 4 lb. leather,	1.20	
Wills, A. J. rep'g. pump engine, etc.	9.15	
Wilson, Andrew, 2 rolls felt,	3.50	
		<hr/>
		\$26,748.39
Pay Roll,	\$18,204.78	
		<hr/>
		\$18,204.78
		<hr/>
Total expenditure, year of 1910,		\$44,953.17
Unexpended balance, Dec. 31, 1910		26,312.97
		<hr/>
		\$71,266.14

 WARD FIVE ENGINE HOUSE LOAN OF 1908.

 Unexpended balance, Jan. 1, 1910, \$37,711.52

\$37,711.52

Expenditures.

Flanagan, James, one-half commis-	
sion revising plans and superin-	
tending erection,	\$ 500.00
Lang, A. W., contract,	13,672.00
O'Mahoney, M. Est., coal,	58.75
The Gamewell F. A. Tel. Co., re-	
turn on contract,	20,750.00
Water Dept., water service,	56.88
Telegram Pub. Co., advertising, ..	11.25

\$35,048.88

 Unexpended balance, Dec. 31, 1910 \$2,662.64

 \$2,662.64

 \$37,711.52

MERRIMACK STREET PAVING.

Unexpended balance, Jan. 1, 1910,	\$9,000.00	
	<hr/>	\$9,000.00
	Receipts.	
Incidental Dept. transfer to balance	\$823.75	
	<hr/>	
		\$ 823.75
		<hr/>
		\$9,823.75
		<hr/> <hr/>
	Expenditures.	
Calnan, John, services as inspector,	\$ 250.00	
Holland, P., contract,	9,567.25	
Water Dept., water service,	6.50	
	<hr/>	
		\$9,823.75
		<hr/> <hr/>

BLOODY BROOK CULVERT LOAN, 1909.

Unexpended balance, Jan. 1, 1910,.	\$8,966.15	
	<u> </u>	\$8,966.15

Receipts.

Municipal Loan Sinking Fund, sale		
of Note No. 10,	\$1,000.00	
Incidental Dept., transfer,	9,000.00	
Lyons, John, refund,	6.00	
	<u> </u>	\$10,006.00
		<u> </u>
		\$18,972.15
		<u>=====</u>

Expenditures.

Hannagan Gutter and Snow Plow	
Co., catch basin frames and cov-	
ers,	\$ 77.00
Joyce, Edw., services as inspector,.	187.50
Lyons, John, services as inspector,	348.00
O'Mahoney, M. Est., contract, ...	15,058.21
O'Mahoney, M. Est., extra work on	
Bloody Brook culvert,	143.92
	<u> </u>
Amount carried forward	\$15,814.63

WARD ONE SEWER LOAN OF 1908.

Unexpended balance, Jan. 1, 1910, \$104.98

\$104.98

Expenditures.

Sewer Dept., transfer, \$104.98

\$104.98

 PUBLIC IMPROVEMENT LOAN OF 1908.

Unexpended balance, Jan. 1, 1910,	\$2,131.09	
	<hr/>	
		\$2,131.09
		=====
Unexpended balance, Jan. 1, 1911,	\$2,131.09	
	<hr/>	
		\$2,131.09
		=====

 ORDINARY DEBT LOAN OF 1909.

Unexpended balance, Jan. 1, 1910,	\$3,833.71	
	<hr/>	
		\$3,833.71
		=====

Expenditures.

Stanley, Porter Co., street signs, . .	\$2,848.03	
	<hr/>	
		\$2,848.03
Unexpended balance, Jan. 1, 1911,	\$985.68	
	<hr/>	
		985.68
		<hr/>
		\$3,833.71
		=====

 WARD SIX SCHOOL LOAN ACT OF 1910.

Harris, N. W. & Co., received for		
sale of bonds, 1 to 90,	\$90,000.00	
Received for premium,	3,291.30	
Received for interest,	410.00	
	<hr/>	
		\$93,701.30
Expenditures.		
Ashton, John, services as architect,	\$2,700.00	
American-Sun Pub. Co., advertis-		
ing,	18.00	
Hildreth & Rogers Co., advertising,	18.00	
Shufelt, A. D., contract,	6,711.18	
Old Colony Trust Co., prep. and		
cert. of bonds,	175.00	
Telegram Pub. Co., advertising, ..	24.00	
	<hr/>	
		\$9,646.18
Unexpended balance, Dec. 31, 1911,	\$84,055.12	
	<hr/>	
		\$84,055.12
		<hr/>
		\$93,701.30
		<hr/> <hr/>

CEMETERY DEPOSIT FUND.

Received from sundry persons for the perpetual care of lots in Belle- vue cemetery from the year 1884 to 1908, inclusive,	\$91,127.00	
Received from sundry persons for the perpetual care of lots in Belle- vue cemetery during the year 1910	5,020.00	
	<hr/>	\$96,147.00
		=====

TAX DEPARTMENT.

National Bank Tax:

Assessed on Shares of Resident and

Non-Resident Stockholders:

Bay State National Bank, 5000 shares,	\$2,050.00
Lawrence National Bank, 3000 shares,	4,182.00
Pacific National Bank, 1500 shares,	2,656.80
Merchants National Bank, 1000 shares,	2,591.20
Arlington National Bank, 1000 shares,	2,050.00

\$13,530.00

Collected and paid into State Treas-
ury under provisions of law, ..

\$5,785.48

Collected and paid into City Treas-
ury and included in the general
tax levy providing for appropria-
tion for the several departments,

7,744.52

\$13,530.00

State and County Tax:

Assessed on Warrant of State
Treasurer, annual state tax for

the year 1910, \$91,960.00

Carried forward \$91,960.00

Brought forward	\$91,960.00
Highway tax, year 1910;	13.50
Assessed on Warrant of Commis- sioners of County of Essex, the annual county tax for the year 1909	89,160.18

\$181,133.68

=====

Payments.

To Commonwealth of Massachu- setts, state tax of 1910	\$91,960.00
Highway tax of 1910	13.50
To County of Essex, tax of 1910..	89,160.18

\$181,133.68

=====

TEMPORARY LOAN DEPARTMENT.

Temporary Loan Notes 756 to 782,
inc. unpaid Jan. 1, 1910 \$215,000.00

\$215,000.00

Receipts.

Borrowed during the year under
authority of the resolution passed
by the City Council, January,
1910, (in anticipation of taxes)
for the payment of current ex-
penses and state aid.

Received from F. S. Moseley & Co.
notes Nos. 13 to 24 inc., \$250,000.00

Received from George Mixter, note
No. 25, 100,000.00

Received from Estabrook & Co.,
notes Nos. 27 to 36 inc., 100,000.00

Received from F. S. Moseley & Co.
notes No. 37 to 47 inc., 100,000.00

Received from F. S. Moseley & Co.
notes Nos. 48 to 52 inc., 100,000.00

Received from Blake Bros., & Co.,
notes Nos. 53 to 64 inc., 200,000.00

Received from Old Colony Trust
Co., notes Nos. 68 to 76 inc., ... 150,000.00

Received from Loring Tolman &
Tupper, notes Nos. 78 to 82 inc., 100,000.00

\$1,100,000.00

\$1,315,000.00

Payments:

To sundry persons, holders of city notes,	\$965,000.00	
To unpaid city notes Nos. 59 to 82 inc.,	350,000.00	
		<u>\$1,315,000.00</u>
		=====

TEMPORARY LOAN IN ANTICIPATION OF ORDINARY
DEBT LOAN OF 1910—DEPARTMENT.

Receipts.

Received from Old Colony Trust Co., notes Nos. 53 to 58 inc., ...	\$100,000.00	
		<u>\$100,000.00</u>
		=====

Expenditures,

Old Colony Trust Co., holders of city notes,	\$100,000.00	
		<u>\$100,000.00</u>
		=====

INTEREST ACCOUNT, YEAR 1910--EXPENDITURES FOR THE TWELVE MONTHS ENDING DECEMBER 31, 1910.

INTEREST DEPARTMENTS.				Receipts and Transfers	Total	Expended	Unexpended	Overd'
	Surplus Appropri'n's Jan. 1, 1910	1910						
Municipal Loan of 1894.....	260.00	10,480.00		10,740.00	10,620.00	120.00		
Municipal Loan of 1899.....	90.00	360.00		90.00	90.00			
Water Street Sewer Loan...				360.00	360.00			
Water Loan	260.00		28,480.00	28,740.00	27,640.00	1,100.00		
Sewer Loan of 1897		480.00		480.00	480.00			
Sewer Loan of Ward Six....		960.00		960.00	960.00			
Sewer Loan of 1900		87.50		87.50	87.50			
Sewer Loan of 1902		600.00		600.00	300.00	300.00		
Sewer Loan of 1898	40.00	1,680.00		1,720.00	1,860.00			140.00
Ordinary Debt Loan of 1902.		770.00		770.00	1,015.00			245.00
Ordinary Debt Loan of 1903	61.25	1,330.00		1,391.25	2,150.00			758.75
Ordinary Debt Loan of 1904	300.00	4,000.00		4,300.00	4,000.00	300.00		
Ordinary Debt Loan of 1905	140.00	2,400.00		2,540.00	2,440.00	100.00		
Ordinary Debt Loan of 1906*		2,800.00		2,480.00	3,220.00			
Ordinary Debt Loan of 1908	320.00	5,400.00		5,400.00	5,400.00			740.00
Ward Five School Loan 1900		140.00		140.00	140.00			
Ward Five School Loan 1901		112.50		112.50	112.50			
New High School Loan 1898	20.00	4,480.00		4,500.00	4,480.00	20.00		
New High School Loan 1899		200.00		200.00	200.00			
School Loan of 1903.....	60.00	4,200.00		4,260.00	3,380.00	880.00		
Public Library Loan of 1902		126.00		126.00	126.00			
Street Loan of 1904.....		300.00		300.00	300.00			
Water Tower Loan of 1905...		144.00		144.00	144.00			
Paving Loan of 1906		840.00		840.00	910.00			70.00
Fie Protection Loan of 1906	20.00	1,760.00		1,780.00	1,780.00			
Ward 6 Eng. H. Loan 1906...		560.00		560.00	560.00			
Central Bridge Loan of 1906	20.00	20.00		40.00	40.00			
Fall Bridge Loan of 1906...		308.00		308.00	308.00			
Union St. Bridge Loan 1907		360.00		360.00	340.00			
Central Fire Sta. Loan 1907		1,260.00		2,190.00	1,190.00	20.00		
Osgood St. Sewer Loan 1907*	100.00	2,800.00		2,700.00	2,750.00	1,000.00		
Ward 1 Sewer Loan 1908*	80.00	760.00		680.00	740.00			50.00
Public Improve't Loan 1908*	140.00	2,880.00		2,740.00	2,680.00	60.00		60.00
Fairmount Sewer Loan 1908		760.00		760.00	760.00			
Ward 5 Eng. H. Loan 1908.		1800.00		1,800.00	1,800.00			
Tuberculosis Hos. Loan 1908*	280.00	784.00		504.00	280.00	224.00		72.00
Ordinary Debt Loan 1909*	720.00	2,016.00		1,296.00	1,368.00			
Paving Loan of 1909*.....	2,082.50	6,597.00		4,514.50	4,445.00	69.50		
Municipal Loan of 1909		3,440.00		3,440.00	2,944.00	496.00		
Bloody Brook Cul. Loan 1909		360.00		360.00	400.00			40.00
Temporary Loan Interest ..		20,000.00		13,617.66	29,835.32	3,782.34		
				Less overdrawn, chgs. to Temp. Loan Acct.	2,175.75			
				Net Temporary Loan Balance,	1,606.59			
	* \$3,722.50	\$2,201.25	\$88,354.50	\$42,097.66	\$128,930.91	\$122,634.82	\$6,296.09	

*Overdraft 1909.

REDEMPTION FUND—EXPENDITURES FOR THE TWELVE MONTHS ENDING DECEMBER, 31, 1910.

REDEMPTION AND SINKING FUND DEPARTMENTS.	Surplus Appropri'n's Jan. 1, 1910	Receipts and Transfers	Total	Expended
Municipal Loan 1894.....	4,491.69		4,491.69	4,491.69
Water Street Sewer Loan...	3,000.00		3,000.00	3,000.00
Sewer Loan, Ward Six....	1,500.00		1,500.00	1,500.00
Sewer Loan of 1897.....	1,500.00		1,500.00	1,500.00
Sewer Loan of 1898.....	3,000.00		3,000.00	3,000.00
Sewer Loan of 1900	2,500.00		2,500.00	2,500.00
Sewer Loan of 1902	5,000.00		5,000.00	5,000.00
Ordinary Debt Loan 1902...	11,000.00		11,000.00	11,000.00
Ordinary Debt Loan 1903...	9,500.00		9,500.00	9,500.00
Ordinary Debt Loan 1904...	20,000.00		20,000.00	20,000.00
Ordinary Debt Loan 1905...	10,000.00		10,000.00	10,000.00
Ordinary Debt Loan 1906...	10,000.00		10,000.00	10,000.00
Ordinary Debt Loan 1908...	15,000.00		15,000.00	15,000.00
Ward 5 School Loan 1900...	4,000.00		4,000.00	4,000.00
Ward 5 School Loan 1901...	1,400.00		1,400.00	1,400.00
*New High Sch. Loan 1898..	8,000.00		8,000.00	8,000.00
*New High Sch. Loan 1899..	5,000.00		5,000.00	5,000.00
School Loan of 1903.....	7,000.00		7,000.00	7,000.00
The Library Loan of 1902...	1,400.00		1,400.00	1,400.00
Street Loan of 1904.....	1,500.00		1,500.00	1,500.00
Water Tower Loan of 1905..	600.00		600.00	600.00
*Fire Protection Loan 1906..	2,000.00		2,000.00	2,000.00
*Ward 6 Eng. H. Loan 1906..	2,000.00		2,000.00	2,000.00
*Central Bridge Loan 1906..	1,000.00		1,000.00	1,000.00
Paving Loan of 1906.....	3,000.00		3,000.00	3,000.00
Falls Bridge Loan 1906....	1,100.00		1,100.00	1,100.00
Union St. Bridge Loan 1907	1,000.00		1,000.00	1,000.00
Central Fire Sta. Loan 1907.	3,500.00		3,500.00	3,500.00
*Osgood St. Sewer Loan 1907	2,500.00		2,500.00	2,500.00
Ward 1 Sewer Loan 1908...	1,000.00		1,000.00	1,000.00
Public Improve't Loan 1908	8,000.00		8,000.00	8,000.00
Faimont Sewer Loan 1908..	1,000.00		1,000.00	1,000.00
Ward 5 Eng. H. Loan 1908..	5,000.00		5,000.00	5,000.00
Tuberculosis Hos. Loan 1908	1,400.00		1,400.00	1,400.00
Ordinary Debt Loan 1909...	3,600.00		3,600.00	3,600.00
Paving Loan of 1909.....	13,000.00		13,000.00	13,000.00
Municipal Loan of 1909....	8,600.00		8,600.00	8,600.00
Bloody Brook Cul. Loan 1909	1,000.00		1,000.00	1,000.00
	<u>184,091.69</u>		<u>\$184,091.69</u>	<u>\$184,091.69</u>

BONDED CITY DEBT, JANUARY 1, 1910.

Municipal Loan, 1894.

Date	Rate of Interest and When Payable: January and July	When Due	Amount
July 1, 1924	4 per cent.	July 1, 1894.	\$262,000.00
Total			\$262,000.00

WATER DEBT LOAN, JANUARY 1, 1910.

No. of Bonds Issued	Date	Denom- ination of Bonds	Rate of Interest and When Payable	Time to Run	When Due	Amount
1-160	July 1, 1893	\$1,000.00	4 per cent.	30 yrs.	July 1, 1923	\$ 50,000
601-610	July 1, 1893	5,000.00	4 per cent.	30 yrs.	July 1, 1923	50,000
327	Apr. 1, 1894	1,000.00	4 per cent.	29½ yrs.	July 1, 1923	327,000
175	Oct. 1, 1894	1,000.00	4 per cent.	29 yrs.	July 1, 1923	175,000
50	July 1, 1896	1,000.00	4 per cent.	27 yrs.	July 1, 1923	50,000
60	July 1, 1906	1,000.00	4 per cent.	30 yrs.	July 1, 1936	60,000
Total.....						\$712,000

Interest payable in January and July.

WATER STREET SEWER LOAN DEBT.

January 1, 1910.

Number of Bonds	When Issued	Rate of Interest Paid	When Due	Amount
55, 56, 57	Sept. 1, 1892	*4 per cent.	Sept. 1, 1911	\$3,000.00
58, 59, 60	Sept. 1, 1892	*4 per cent.	Sept. 1, 1912	3,000.00
Total				\$6,000.00

*Interest paid March and September.

Payable in 9 equal annual payments.

WARD SIX SEWER LOAN.

Debt, January 1, 1910.

\$1,500 paid annually.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
		Paid June 1 and Dec. 1		
16	Dec. 1, 1895	4 per cent.	Dec. 1, 1911	\$1,500.00
17	Dec. 1, 1895	4 per cent.	Dec. 1, 1912	1,500.00
18	Dec. 1, 1895	4 per cent.	Dec. 1, 1913	1,500.00
19	Dec. 1, 1895	4 per cent.	Dec. 1, 1914	1,500.00
20	Dec. 1, 1895	4 per cent.	Dec. 1, 1915	1,500.00
21	Dec. 1, 1895	4 per cent.	Dec. 1, 1916	1,500.00
22	Dec. 1, 1895	4 per cent.	Dec. 1, 1917	1,500.00
23	Dec. 1, 1895	4 per cent.	Dec. 1, 1918	1,500.00
24	Dec. 1, 1895	4 per cent.	Dec. 1, 1919	1,500.00
25	Dec. 1, 1895	4 per cent.	Dec. 1, 1920	1,500.00
26	Dec. 1, 1895	4 per cent.	Dec. 1, 1921	1,500.00
27	Dec. 1, 1895	4 per cent.	Dec. 1, 1922	1,500.00
28	Dec. 1, 1895	4 per cent.	Dec. 1, 1923	1,500.00
29	Dec. 1, 1895	4 per cent.	Dec. 1, 1924	1,500.00
30	Dec. 1, 1895	4 per cent.	Dec. 1, 1925	1,500.00
Total				\$22,500.00

SEWER LOAN OF 1897.

Debt, January 1, 1910.

\$30,000.00—20 Years.

Number of Bonds	When Issued	Date of Interest	When Due	Amount
		Paid May and Nov.		
14	Nov. 9, 1897	4 per cent.	Nov. 9, 1911	\$1,500.00
15	Nov. 9, 1897	4 per cent.	Nov. 9, 1912	1,500.00
16	Nov. 9, 1897	4 per cent.	Nov. 9, 1913	1,500.00
17	Nov. 9, 1897	4 per cent.	Dec. 9, 1914	1,500.00
18	Nov. 9, 1897	4 per cent.	Nov. 9, 1915	1,500.00
19	Nov. 9, 1897	4 per cent.	Nov. 9, 1916	1,500.00
20	Nov. 9, 1897	4 per cent.	Nov. 9, 1917	1,500.00
Total				\$10,500.00

SEWER LOAN OF 1898.

Debt, January 1, 1910.

\$75,000.00—25 Years. \$3,000.00 paid annually.

Number of Bonds	When Issued	Rate of Interest Paid June and Dec.	When Due	Amount
37, 38, 39	June 1, 1898	4 per cent.	June 1, 1911	\$3,000.00
40, 41, 42	June 1, 1898	4 per cent.	June 1, 1912	3,000.00
43, 44, 45	June 1, 1898	4 per cent.	June 1, 1913	3,000.00
46, 47, 48	June 1, 1898	4 per cent.	June 1, 1914	3,000.00
49, 50, 51	June 1, 1898	4 per cent.	June 1, 1915	3,000.00
52, 53, 54	June 1, 1898	4 per cent.	June 1, 1916	3,000.00
55, 56, 57	June 1, 1898	4 per cent.	June 1, 1917	3,000.00
58, 59, 60	June 1, 1898	4 per cent.	June 1, 1918	3,000.00
61, 62, 63	June 1, 1898	4 per cent.	June 1, 1919	3,000.00
64, 65, 66	June 1, 1898	4 per cent.	June 1, 1920	3,000.00
67, 68, 69	June 1, 1898	4 per cent.	June 1, 1921	3,000.00
70, 71, 72	June 1, 1898	4 per cent.	June 1, 1922	3,000.00
73, 74, 75	June 1, 1898	4 per cent.	June 1, 1923	3,000.00
Total				\$39,000.00

SEWER LOAN OF 1900.

Debt, January 1, 1910.

\$25,000.00—10 Years. \$2,500.00 paid annually.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
		Paid May and Nov.		
28, 29, 30	Nov. 1, 1900	3½ per cent.	Nov. 1, 1910	\$2,500.00
Total				\$2,500.00

SEWER LOAN OF 1902.

Debt, January 1, 1910.

\$50,000.00—10 Years. \$5,000.00 paid annually.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
		Paid April and Oct.		
41 to 45	April 1, 1902	4 per cent.	April 1, 1911	\$5,000.00
46 to 50	April 1, 1902	4 per cent.	April 1, 1912	5,000.00
Total				\$10,000.00

ORDINARY DEBT LOAN OF 1902.

Debt, January 1, 1910.

\$110,000.00—10 Years. \$11,000.00 paid annually.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
		Paid May and Nov.		
89 to 99	May 1, 1902	3½ per cent.	May 1, 1911	\$11,000.00
100 to 110	May 1, 1902	3½ per cent.	May 1, 1912	11,000.00
Total				\$22,000.00

 ORDINARY DEBT LOAN OF 1903.

Debt, January 1, 1910.

\$95,000.00—10 Years. \$9,500.00 paid annually.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
71 to 80	Aug. 1, 1903	3½ per cent.	Aug. 1, 1911	\$9,500.00
81 to 90	Aug. 1, 1903	3½ per cent.	Aug. 1, 1912	9,500.00
91 to 100	Aug. 1, 1903	3½ per cent.	Aug. 1, 1913	9,500.00
Total				\$28,500.00

ORDINARY CITY DEBT LOAN OF 1904.

Debt, January 1, 1910.

\$200,000.00—10 Years. 4 Per Cent.

\$20,000.00 paid annually.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
		Paid May and Nov.		
121 to 140	Nov. 1, 1904	4 per cent.	Nov. 1, 1911	\$20,000.00
141 to 160	Nov. 1, 1904	4 per cent.	Nov. 1, 1912	20,000.00
161 to 180	Nov. 1, 1904	4 per cent.	Nov. 1, 1913	20,000.00
181 to 200	Nov. 1, 1904	4 per cent.	Nov. 1, 1914	20,000.00
Total				\$80,000.00

 ORDINARY CITY DEBT LOAN OF 1905.

Debt, January 1, 1910.

\$100,000.00—10 Years. 4 Per Cent.

\$10,000.00 paid annually.

Number of Bonds	When Issued	Rate of Interest Paid June 1 and Dec. 1	When Due	Amount
51 to 60	Dec. 1, 1905	4 per cent.	Dec. 1, 1911	\$10,000.00
61 to 70	Dec. 1, 1905	4 per cent.	Dec. 1, 1912	10,000.00
71 to 80	Dec. 1, 1905	4 per cent.	Dec. 1, 1913	10,000.00
81 to 90	Dec. 1, 1905	4 per cent.	Dec. 1, 1914	10,000.00
91 to 100	Dec. 1, 1905	4 per cent.	Dec. 1, 1915	10,000.00
Total				\$50,000.00

WARD FIVE SCHOOL LOAN OF 1900.

Debt, January 1, 1910.

\$40,000.00—10 Years. \$4,000.00 paid annually.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
		Paid Mar. and Sept.		
37, 38, 39, 40	Sept. 1, 1900	3½ per cent.	Sept. 1, 1910	\$4,000.00
Total	.....			\$4,000.00

WARD FIVE SCHOOL LOAN OF 1901.

Debt, January 1, 1910.

\$14,000.00—10 Years. \$1,400.00 paid annually.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
		Paid June and Dec.		
10	Dec. 1, 1901	4 per cent.	Dec. 1, 1911	\$1,400.00
Total				\$1,400.00

HIGH SCHOOL LOAN OF 1898.

O. D. L.

Debt, January 1, 1910.

\$200,000.00

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
		Paid Feb. and Aug.		
97 to 104	Aug. 1, 1898	4 per cent.	Aug. 1, 1911	\$8,000.00
105 to 112	Aug. 1, 1898	4 per cent.	Aug. 1, 1912	8,000.00
113 to 120	Aug. 1, 1898	4 per cent.	Aug. 1, 1913	8,000.00
121 to 128	Aug. 1, 1898	4 per cent.	Aug. 1, 1914	8,000.00
129 to 136	Aug. 1, 1898	4 per cent.	Aug. 1, 1915	8,000.00
137 to 144	Aug. 1, 1898	4 per cent.	Aug. 1, 1916	8,000.00
145 to 152	Aug. 1, 1898	4 per cent.	Aug. 1, 1917	8,000.00
153 to 160	Aug. 1, 1898	4 per cent.	Aug. 1, 1918	8,000.00
161 to 168	Aug. 1, 1898	4 per cent.	Aug. 1, 1919	8,000.00
169 to 176	Aug. 1, 1898	4 per cent.	Aug. 1, 1920	8,000.00
177 to 184	Aug. 1, 1898	4 per cent.	Aug. 1, 1921	8,000.00
185 to 192	Aug. 1, 1898	4 per cent.	Aug. 1, 1922	8,000.00
193 to 200	Aug. 1, 1898	4 per cent.	Aug. 1, 1923	8,000.00
Total				\$104,000.00

NEW HIGH SCHOOL LOAN OF 1899.

Debt, January 1, 1910.

\$50,000.00—10 Years. \$5,000.00 paid annually.

When Issued	Rate of Interest Paid April and Oct.	When Due	Amount
October 1, 1900	4 per cent.	October 1, 1910	\$5,000.00
Total			\$5,000.00

PUBLIC LIBRARY LOAN OF 1902.

Debt, January 1, 1910.

\$14,000.00—10 Years. \$1,400.00 paid annually.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
		Paid May and Nov.		
9	Nov. 1, 1902	3 per cent.	Nov. 1, 1911	\$1,400.00
10	Nov. 1, 1902	3 per cent.	Nov. 1, 1912	1,400.00
Total				\$2,800.00

STREET IMPROVEMENT LOAN OF 1904.

 Debt, January 1, 1910.

\$15,000.00—10 Years. 4 Per Cent.

\$1,500.00 payable annually.

Number of Bonds	When Issued	Rate of Interest Paid	When Due	Amount
7	Nov. 1, 1904	4 per cent.	Nov. 1, 1911	\$1,500.00
8	Nov. 1, 1904	4 per cent.	Nov. 1, 1912	1,500.00
9	Nov. 1, 1904	4 per cent.	Nov. 1, 1913	1,500.00
10	Nov. 1, 1904	4 per cent.	Nov. 1, 1914	1,500.00
Total				\$6,000.00

SCHOOL LOAN OF 1903.

Debt, January 1, 1910.

\$140,000.00—20 Years. 4 Per Cent.

\$7,000.00 paid annually.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
		Paid Feb. and Aug.		
43 to 49	Aug. 1, 1904	4 per cent.	Aug. 1, 1911	\$7,000.00
50 to 56	Aug. 1, 1904	4 per cent.	Aug. 1, 1912	7,000.00
57 to 63	Aug. 1, 1904	4 per cent.	Aug. 1, 1913	7,000.00
64 to 70	Aug. 1, 1904	4 per cent.	Aug. 1, 1914	7,000.00
71 to 77	Aug. 1, 1904	4 per cent.	Aug. 1, 1915	7,000.00
78 to 84	Aug. 1, 1904	4 per cent.	Aug. 1, 1916	7,000.00
85 to 91	Aug. 1, 1904	4 per cent.	Aug. 1, 1917	7,000.00
92 to 98	Aug. 1, 1904	4 per cent.	Aug. 1, 1918	7,000.00
99 to 105	Aug. 1, 1904	4 per cent.	Aug. 1, 1919	7,000.00
106 to 112	Aug. 1, 1904	4 per cent.	Aug. 1, 1920	7,000.00
113 to 119	Aug. 1, 1904	4 per cent.	Aug. 1, 1921	7,000.00
120 to 126	Aug. 1, 1904	4 per cent.	Aug. 1, 1922	7,000.00
127 to 133	Aug. 1, 1904	4 per cent.	Aug. 1, 1923	7,000.00
134 to 140	Aug. 1, 1904	4 per cent.	Aug. 1, 1924	7,000.00
Total				\$98,000.00

WATER TOWER LOAN OF 1905.

Debt, January 1, 1910.

\$6,000.00—10 Years. 4 Per Cent.

\$600.00 paid annually.

Number of Bonds	When Issued	Rate of Interest Paid	When Due	Amount
6	Dec. 1, 1905	4 per cent.	Dec. 1, 1911	\$600.00
7	Dec. 1, 1905	4 per cent.	Dec. 1, 1912	600.00
8	Dec. 1, 1905	4 per cent.	Dec. 1, 1913	600.00
9	Dec. 1, 1905	4 per cent.	Dec. 1, 1914	600.00
10	Dec. 1, 1905	4 per cent.	Dec. 1, 1915	600.00
Total				\$3,000.00

PAVING LOAN OF 1906.

Debt, January 1, 1910.

\$30,000.00—10 Years. 4 Per Cent.

\$3,000.00 paid annually.

Number of Bonds	When Issued	Rate of Interest Paid October	When Due	Amount
5	Oct. 1, 1906	4 per cent.	Oct. 1, 1911	\$3,000.00
6	Oct. 1, 1906	4 per cent.	Oct. 1, 1912	3,000.00
7	Oct. 1, 1906	4 per cent.	Oct. 1, 1913	3,000.00
8	Oct. 1, 1906	4 per cent.	Oct. 1, 1914	3,000.00
9	Oct. 1, 1906	4 per cent.	Oct. 1, 1915	3,000.00
10	Oct. 1, 1906	4 per cent.	Oct. 1, 1916	3,000.00
Total				\$18,000.00

WARD SIX ENGINE HOUSE LOAN OF 1906.

Debt, January 1, 1910.

\$20,000.00—10 Years. 4 Per Cent.

\$2,000.00 paid annually.

Number of Bonds	When Issued	Rate of Interest Paid October	When Due	Amount
5	Oct. 1, 1906	4 per cent.	Oct. 1, 1911	\$2,000.00
6	Oct. 1, 1906	4 per cent.	Oct. 1, 1912	2,000.00
7	Oct. 1, 1906	4 per cent.	Oct. 1, 1913	2,000.00
8	Oct. 1, 1906	4 per cent.	Oct. 1, 1914	2,000.00
9	Oct. 1, 1906	4 per cent.	Oct. 1, 1915	2,000.00
10	Oct. 1, 1906	4 per cent.	Oct. 1, 1916	2,000.00
Total				\$12,000.00

ORDINARY CITY DEBT LOAN OF 1906.

Debt, January 1, 1910.

\$100,000.00—10 Years. 4 Per Cent.

\$10,000.00 paid annually.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
		Paid June and Dec.		
41 to 50	Dec. 20, 1906	4 per cent.	Dec. 20, 1911	\$10,000.00
51 to 60	Dec. 20, 1906	4 per cent.	Dec. 20, 1912	10,000.00
61 to 70	Dec. 20, 1906	4 per cent.	Dec. 20, 1913	10,000.00
71 to 80	Dec. 20, 1906	4 per cent.	Dec. 20, 1914	10,000.00
81 to 90	Dec. 20, 1906	4 per cent.	Dec. 20, 1915	10,000.00
91 to 100	Dec. 20, 1906	4 per cent.	Dec. 20, 1916	10,000.00
Total				\$60,000.00

FIRE PROTECTION LOAN OF 1906.

Debt, January 1, 1910.

\$50,000.00—25 Years. 4 Per Cent.

\$2,000.00 paid annually.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
		Paid Jan. and July		
9 to 10	July 2, 1906	4 per cent.	July 1, 1911	\$2,000.00
11 to 12	July 2, 1906	4 per cent.	July 1, 1912	2,000.00
13 to 14	July 2, 1906	4 per cent.	July 1, 1913	2,000.00
15 to 16	July 2, 1906	4 per cent.	July 1, 1914	2,000.00
17 to 18	July 2, 1906	4 per cent.	July 1, 1915	2,000.00
19 to 20	July 2, 1906	4 per cent.	July 1, 1916	2,000.00
21 to 22	July 2, 1906	4 per cent.	July 1, 1917	2,000.00
23 to 24	July 2, 1906	4 per cent.	July 1, 1918	2,000.00
25 to 26	July 2, 1906	4 per cent.	July 1, 1919	2,000.00
27 to 28	July 2, 1906	4 per cent.	July 1, 1920	2,000.00
29 to 30	July 2, 1906	4 per cent.	July 1, 1921	2,000.00
31 to 32	July 2, 1906	4 per cent.	July 1, 1922	2,000.00
33 to 34	July 2, 1906	4 per cent.	July 1, 1923	2,000.00
35 to 36	July 2, 1906	4 per cent.	July 1, 1924	2,000.00
37 to 38	July 2, 1906	4 per cent.	July 1, 1925	2,000.00
39 to 40	July 2, 1906	4 per cent.	July 1, 1926	2,000.00
41 to 42	July 2, 1906	4 per cent.	July 1, 1927	2,000.00
43 to 44	July 2, 1906	4 per cent.	July 1, 1928	2,000.00
45 to 46	July 2, 1906	4 per cent.	July 1, 1929	2,000.00
47 to 48	July 2, 1906	4 per cent.	July 1, 1930	2,000.00
49 to 50	July 2, 1906	4 per cent.	July 1, 1931	2,000.00
Total				\$42,000.00

FALLS BRIDGE LOAN OF 1906.

Debt, January 1, 1910.

\$11,000.00—10 Years. 4 Per Cent.

\$1,100.00 paid annually.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
		Paid September		
5	Sept. 1, 1906	4 per cent.	Sept. 1, 1911	\$1,100.00
6	Sept. 1, 1906	4 per cent.	Sept. 1, 1912	1,100.00
7	Sept. 1, 1906	4 per cent.	Sept. 1, 1913	1,100.00
8	Sept. 1, 1906	4 per cent.	Sept. 1, 1914	1,100.00
9	Sept. 1, 1906	4 per cent.	Sept. 1, 1915	1,100.00
10	Sept. 1, 1906	4 per cent.	Sept. 1, 1916	1,100.00
Total				\$6,600.00

UNION STREET BRIDGE LOAN OF 1907.

Debt, January 1, 1910.

\$10,000.00—10 Years. 4 Per Cent.

Number of Bonds	When Issued	Rate of Interest Paid	When Due	Amount
3	Feb. 1, 1908	4 per cent.	Feb. 1, 1911	\$1,000.00
4	Feb. 1, 1908	4 per cent.	Feb. 1, 1912	1,000.00
5	Feb. 1, 1908	4 per cent.	Feb. 1, 1913	1,000.00
6	Feb. 1, 1908	4 per cent.	Feb. 1, 1914	1,000.00
7	Feb. 1, 1908	4 per cent.	Feb. 1, 1915	1,000.00
8	Feb. 1, 1908	4 per cent.	Feb. 1, 1916	1,000.00
9	Feb. 1, 1908	4 per cent.	Feb. 1, 1917	1,000.00
10	Feb. 1, 1908	4 per cent.	Feb. 1, 1918	1,000.00
Total				\$8,000.00

CENTRAL FIRE STATION LOAN OF 1907.

Debt, January 1, 1910.

\$35,000.00—10 Years. 4 Per Cent.

Number of Bonds	When Issued	Rate of Interest Paid	When Due	Amount
3	Feb. 1, 1908	4 per cent.	Feb. 1, 1911	\$3,500.00
4	Feb. 1, 1908	4 per cent.	Feb. 1, 1912	3,500.00
5	Feb. 1, 1908	4 per cent.	Feb. 1, 1913	3,500.00
6	Feb. 1, 1908	4 per cent.	Feb. 1, 1914	3,500.00
7	Feb. 1, 1908	4 per cent.	Feb. 1, 1915	3,500.00
8	Feb. 1, 1908	4 per cent.	Feb. 1, 1916	3,500.00
9	Feb. 1, 1908	4 per cent.	Feb. 1, 1917	3,500.00
10	Feb. 1, 1908	4 per cent.	Feb. 1, 1918	3,500.00
Total				\$28,000.00

OSGOOD STREET SEWER LOAN OF 1907.

Debt, January 1, 1910. (Outside Debt Limit.)

\$75,000.00—30 Years. 4 Per Cent.

Number of Bonds	When Issued	Rate of Interest Paid	When Due	Amount
10 11, 12	June 1, 1907	4 per cent.	June 1, 1911	\$2,500.00
13, 14, 15	June 1, 1907	4 per cent.	June 1, 1912	2,500.00
16, 17, 18	June 1, 1907	4 per cent.	June 1, 1913	2,500.00
19, 20, 21	June 1, 1907	4 per cent.	June 1, 1914	2,500.00
22, 23, 24	June 1, 1907	4 per cent.	June 1, 1915	2,500.00
25, 26, 27	June 1, 1907	4 per cent.	June 1, 1916	2,500.00
28, 29, 30	June 1, 1907	4 per cent.	June 1, 1917	2,500.00
31, 32, 33	June 1, 1907	4 per cent.	June 1, 1918	2,500.00
34, 35, 36	June 1, 1907	4 per cent.	June 1, 1919	2,500.00
37, 38, 39	June 1, 1907	4 per cent.	June 1, 1920	2,500.00
40, 41, 42	June 1, 1907	4 per cent.	June 1, 1921	2,500.00
43, 44, 45	June 1, 1907	4 per cent.	June 1, 1922	2,500.00
46, 47, 48	June 1, 1907	4 per cent.	June 1, 1923	2,500.00
49, 50, 51	June 1, 1907	4 per cent.	June 1, 1924	2,500.00
52, 53, 54	June 1, 1907	4 per cent.	June 1, 1925	2,500.00
55, 56, 57	June 1, 1907	4 per cent.	June 1, 1926	2,500.00
58, 59, 60	June 1, 1907	4 per cent.	June 1, 1927	2,500.00
61, 62, 63	June 1, 1907	4 per cent.	June 1, 1928	2,500.00
64, 65, 66	June 1, 1907	4 per cent.	June 1, 1929	2,500.00
67, 68, 69	June 1, 1907	4 per cent.	June 1, 1930	2,500.00
70, 71, 72	June 1, 1907	4 per cent.	June 1, 1931	2,500.00
73, 74, 75	June 1, 1907	4 per cent.	June 1, 1932	2,500.00
76, 77, 78	June 1, 1907	4 per cent.	June 1, 1933	2,500.00
79, 80, 81	June 1, 1907	4 per cent.	June 1, 1934	2,500.00
82, 83, 84	June 1, 1907	4 per cent.	June 1, 1935	2,500.00
85, 86, 87	June 1, 1907	4 per cent.	June 1, 1936	2,500.00
88, 89, 90	June 1, 1907	4 per cent.	June 1, 1937	2,500.00
Total				\$67,500.00

CENTRAL BRIDGE LOAN OF 1906.

Debt, January 1, 1910.

\$10,000.00 Authorized. 10 Years. 4 Per Cent.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
3	March 1, 1908	4 per cent.	March 1, 1910	\$1,000.00
Total				\$1,000.00

WARD ONE SEWER LOAN OF 1908.

Debt, January 1, 1910.

\$20,000.00—20 Years. 4 Per Cent.

\$1,000.00 paid annually.

Number of Bonds	When Issued	Rate Per Cent.	When Due	Amount
3	April 1, 1908	4 per cent.	April 1, 1911	\$1,000.00
4	April 1, 1908	4 per cent.	April 1, 1912	1,000.00
5	April 1, 1908	4 per cent.	April 1, 1913	1,000.00
6	April 1, 1908	4 per cent.	April 1, 1914	1,000.00
7	April 1, 1908	4 per cent.	April 1, 1915	1,000.00
8	April 1, 1908	4 per cent.	April 1, 1916	1,000.00
9	April 1, 1908	4 per cent.	April 1, 1917	1,000.00
10	April 1, 1908	4 per cent.	April 1, 1918	1,000.00
11	April 1, 1908	4 per cent.	April 1, 1919	1,000.00
12	April 1, 1908	4 per cent.	April 1, 1920	1,000.00
13	April 1, 1908	4 per cent.	April 1, 1921	1,000.00
14	April 1, 1908	4 per cent.	April 1, 1922	1,000.00
15	April 1, 1908	4 per cent.	April 1, 1923	1,000.00
16	April 1, 1908	4 per cent.	April 1, 1924	1,000.00
17	April 1, 1908	4 per cent.	April 1, 1925	1,000.00
18	April 1, 1908	4 per cent.	April 1, 1926	1,000.00
19	April 1, 1908	4 per cent.	April 1, 1927	1,000.00
20	April 1, 1908	4 per cent.	April 1, 1928	1,000.00
Total				\$18,000.00

PUBLIC IMPROVEMENT LOAN OF 1908.

Debt, January 1, 1910.

\$80,000.00—10 Years. 4 Per Cent.

\$8,000.00 paid annually.

Number of Bonds	When Issued	Rate Per Cent. Paid	When Due	Amount
17	June 1, 1908	4 per cent.	June 1, 1911	\$1,000.00
18	June 1, 1908	4 per cent.	June 1, 1911	1,000.00
19	June 1, 1908	4 per cent.	June 1, 1911	1,000.00
20	June 1, 1908	4 per cent.	June 1, 1911	1,000.00
21	June 1, 1908	4 per cent.	June 1, 1911	1,000.00
22	June 1, 1908	4 per cent.	June 1, 1911	1,000.00
23	June 1, 1908	4 per cent.	June 1, 1911	1,000.00
24	June 1, 1908	4 per cent.	June 1, 1911	1,000.00
25 to 32	June 1, 1908	4 per cent.	June 1, 1912	8,000.00
33 to 40	June 1, 1908	4 per cent.	June 1, 1913	8,000.00
41 to 48	June 1, 1908	4 per cent.	June 1, 1914	8,000.00
49 to 56	June 1, 1908	4 per cent.	June 1, 1915	8,000.00
57 to 64	June 1, 1908	4 per cent.	June 1, 1916	8,000.00
65 to 72	June 1, 1908	4 per cent.	June 1, 1917	8,000.00
73 to 80	June 1, 1908	4 per cent.	June 1, 1918	8,000.00
Total				\$64,000.00

FAIRMOUNT SEWER LOAN OF 1908.

Debt, January 1, 1910.

\$20,000.00—20 Years. 4 Per Cent.

\$1,000.00 paid annually.

Number of Bonds	When Issued	Rate of Interest Paid	When Due	Amount
3	Dec. 1, 1908	4 per cent.	Dec. 1, 1911	\$1,000.00
4	Dec. 1, 1908	4 per cent.	Dec. 1, 1912	1,000.00
5	Dec. 1, 1908	4 per cent.	Dec. 1, 1913	1,000.00
6	Dec. 1, 1908	4 per cent.	Dec. 1, 1914	1,000.00
7	Dec. 1, 1908	4 per cent.	Dec. 1, 1915	1,000.00
8	Dec. 1, 1908	4 per cent.	Dec. 1, 1916	1,000.00
9	Dec. 1, 1908	4 per cent.	Dec. 1, 1917	1,000.00
10	Dec. 1, 1908	4 per cent.	Dec. 1, 1918	1,000.00
11	Dec. 1, 1908	4 per cent.	Dec. 1, 1919	1,000.00
12	Dec. 1, 1908	4 per cent.	Dec. 1, 1920	1,000.00
13	Dec. 1, 1908	4 per cent.	Dec. 1, 1921	1,000.00
14	Dec. 1, 1908	4 per cent.	Dec. 1, 1922	1,000.00
15	Dec. 1, 1908	4 per cent.	Dec. 1, 1923	1,000.00
16	Dec. 1, 1908	4 per cent.	Dec. 1, 1924	1,000.00
17	Dec. 1, 1908	4 per cent.	Dec. 1, 1925	1,000.00
18	Dec. 1, 1908	4 per cent.	Dec. 1, 1926	1,000.00
19	Dec. 1, 1908	4 per cent.	Dec. 1, 1927	1,000.00
20	Dec. 1, 1908	4 per cent.	Dec. 1, 1928	1,000.00
Total				\$18,000.00

 WARD FIVE ENGINE HOUSE DEBT OF 1908.

\$50,000.00. 4 Per Cent.

\$5,000.00 payable annually.

Number of Bonds	When Issued	Rate of Per Cent.	When Due	Amount
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11 to 15	Dec. 1, 1908	4 per cent.	Dec. 1, 1911	\$5,000.00
16 to 20	Dec. 1, 1908	4 per cent.	Dec. 1, 1912	5,000.00
21 to 25	Dec. 1, 1908	4 per cent.	Dec. 1, 1913	5,000.00
26 to 30	Dec. 1, 1908	4 per cent.	Dec. 1, 1914	5,000.00
31 to 35	Dec. 1, 1908	4 per cent.	Dec. 1, 1915	5,000.00
36 to 40	Dec. 1, 1908	4 per cent.	Dec. 1, 1916	5,000.00
41 to 45	Dec. 1, 1908	4 per cent.	Dec. 1, 1917	5,000.00
46 to 50	Dec. 1, 1908	4 per cent.	Dec. 1, 1918	5,000.00
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Total				\$40,000.00

ORDINARY DEBT LOAN OF 1908.

\$150,000.00. 4 Per Cent.

\$15,000.00 payable annually.

Number of Bonds	When Issued	Rate per cent.	When Due	Amount
31 to 45	Dec. 1, 1908	4 per cent.	Dec. 1, 1911	\$15,000.00
46 to 60	Dec. 1, 1908	4 per cent.	Dec. 1, 1912	15,000.00
61 to 75	Dec. 1, 1908	4 per cent.	Dec. 1, 1913	15,000.00
76 to 90	Dec. 1, 1908	4 per cent.	Dec. 1, 1914	15,000.00
91 to 105	Dec. 1, 1908	4 per cent.	Dec. 1, 1915	15,000.00
106 to 120	Dec. 1, 1908	4 per cent.	Dec. 1, 1916	15,000.00
121 to 135	Dec. 1, 1908	4 per cent.	Dec. 1, 1917	15,000.00
136 to 150	Dec. 1, 1908	4 per cent.	Dec. 1, 1918	15,000.00
Total				\$120,000.00

ORDINARY DEBT LOAN OF 1909.

\$36,000.00—10 Years.

\$3,600.00 paid annually.

Number of Bonds	When Issued	Rate of Interest Paid	When Due	Amount
5 to 8	June 1, 1909	4 per cent.	June 1, 1911	\$3,600.00
9 to 12	June 1, 1909	4 per cent.	June 1, 1912	3,600.00
13 to 16	June 1, 1909	4 per cent.	June 1, 1913	3,600.00
17 to 20	June 1, 1909	4 per cent.	June 1, 1914	3,600.00
21 to 24	June 1, 1909	4 per cent.	June 1, 1915	3,600.00
25 to 28	June 1, 1909	4 per cent.	June 1, 1916	3,600.00
29 to 32	June 1, 1909	4 per cent.	June 1, 1917	3,600.00
33 to 36	June 1, 1909	4 per cent.	June 1, 1918	3,600.00
37 to 40	June 1, 1909	4 per cent.	June 1, 1919	3,600.00
Total				\$32,400.00

TUBERCULOSIS HOSPITAL LOAN OF 1908.

\$14,000.00—10 Years.

\$1,400.00 paid annually.

Number of Bonds	When Issued	Rate of Interest Paid	When Due	Amount
2	May 1, 1909	4 per cent.	May 1, 1911	\$1,400.00
3	May 1, 1909	4 per cent.	May 1, 1912	1,400.00
4	May 1, 1909	4 per cent.	May 1, 1913	1,400.00
5	May 1, 1909	4 per cent.	May 1, 1914	1,400.00
6	May 1, 1909	4 per cent.	May 1, 1915	1,400.00
7	May 1, 1909	4 per cent.	May 1, 1916	1,400.00
8	May 1, 1909	4 per cent.	May 1, 1917	1,400.00
9	May 1, 1909	4 per cent.	May 1, 1918	1,400.00
10	May 1, 1909	4 per cent.	May 1, 1919	1,400.00
Total				\$12,600.00

PAVING LOAN OF 1909.

\$130,000.00—10 Years.

\$13,000.00 paid annually.

Number of Bonds	When Issued	Rate of Interest Paid	When Due	Amount	Total
14- 26	June 1, 1909	3½ per cent.	June 1, 1911	1000.00 each	\$13,000.00
27- 39	June 1, 1909	3½ per cent.	June 1, 1912	1000.00 each	13,000.00
40- 52	June 1, 1909	3½ per cent.	June 1, 1913	1000.00 each	13,000.00
53- 65	June 1, 1909	3½ per cent.	June 1, 1914	1000.00 each	13,000.00
66- 78	June 1, 1909	3½ per cent.	June 1, 1915	1000.00 each	13,000.00
79- 91	June 1, 1909	3½ per cent.	June 1, 1916	1000.00 each	13,000.00
92-104	June 1, 1909	3½ per cent.	June 1, 1917	1000.00 each	13,000.00
105-117	June 1, 1909	3½ per cent.	June 1, 1918	1000.00 each	13,000.00
118-130	June 1, 1909	3½ per cent.	June 1, 1919	1000.00 each	13,000.00
Total					\$117,000.00

BLOODY BROOK CULVERT LOAN OF 1909.

\$10,000.00—10 Years.

\$1,000.00 paid annually.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
2	Nov. 10, 1909	4 per cent.	Nov. 10, 1911	\$1,000.00
3	Nov. 10, 1909	4 per cent.	Nov. 10, 1912	1,000.00
4	Nov. 10, 1909	4 per cent.	Nov. 10, 1913	1,000.00
5	Nov. 10, 1909	4 per cent.	Nov. 10, 1914	1,000.00
6	Nov. 10, 1909	4 per cent.	Nov. 10, 1915	1,000.00
7	Nov. 10, 1909	4 per cent.	Nov. 10, 1916	1,000.00
8	Nov. 10, 1909	4 per cent.	Nov. 10, 1917	1,000.00
9	Nov. 10, 1909	4 per cent.	Nov. 10, 1918	1,000.00
10	Nov. 10, 1909	4 per cent.	Nov. 10, 1919	1,000.00
Total				\$9,000.00

MUNICIPAL LOAN OF 1909.

\$86,000.00—10 Years.

\$8,600.00 paid annually.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
10 to 18	Dec. 1, 1909	4 per cent.	Dec. 1, 1911	\$8,600.00
19 to 27	Dec. 1, 1909	4 per cent.	Dec. 1, 1912	8,600.00
28 to 36	Dec. 1, 1909	4 per cent.	Dec. 1, 1913	8,600.00
37 to 45	Dec. 1, 1909	4 per cent.	Dec. 1, 1914	8,600.00
46 to 54	Dec. 1, 1909	4 per cent.	Dec. 1, 1915	8,600.00
55 to 63	Dec. 1, 1909	4 per cent.	Dec. 1, 1916	8,600.00
64 to 72	Dec. 1, 1909	4 per cent.	Dec. 1, 1917	8,600.00
73 to 81	Dec. 1, 1909	4 per cent.	Dec. 1, 1918	8,600.00
82 to 90	Dec. 1, 1909	4 per cent.	Dec. 1, 1919	8,600.00
Total				\$77,400.00

PAVING LOAN OF 1910.

\$150,000.00—10 Years.

\$15,000.00 paid annually.

Bond Numbers	When Issued	Rate of Interest	When Due	Amount	Total
1 to 15	Aug. 1, 1910	4 per cent.	Aug. 1, 1911	\$1000.00	\$15,000.00
16 to 30	Aug. 1, 1910	4 per cent.	Aug. 1, 1912	1000.00	15,000.00
31 to 45	Aug. 1, 1910	4 per cent.	Aug. 1, 1913	1000.00	15,000.00
46 to 60	Aug. 1, 1910	4 per cent.	Aug. 1, 1914	1000.00	15,000.00
61 to 75	Aug. 1, 1910	4 per cent.	Aug. 1, 1915	1000.00	15,000.00
76 to 90	Aug. 1, 1910	4 per cent.	Aug. 1, 1916	1000.00	15,000.00
91 to 105	Aug. 1, 1910	4 per cent.	Aug. 1, 1917	1000.00	15,000.00
106 to 120	Aug. 1, 1910	4 per cent.	Aug. 1, 1918	1000.00	15,000.00
121 to 135	Aug. 1, 1910	4 per cent.	Aug. 1, 1919	1000.00	15,000.00
136 to 150	Aug. 1, 1910	4 per cent.	Aug. 1, 1920	1000.00	15,000.00
Total					\$150,000.00

ORDINARY DEBT LOAN OF 1910.

\$160,000.00—10 Years.

\$16,000.00 paid annually.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
1 to 16	Dec. 1, 1910	4 per cent.	Dec. 1, 1911	\$16,000.00
17 to 32	Dec. 1, 1910	4 per cent.	Dec. 1, 1912	16,000.00
33 to 48	Dec. 1, 1910	4 per cent.	Dec. 1, 1913	16,000.00
49 to 64	Dec. 1, 1910	4 per cent.	Dec. 1, 1914	16,000.00
65 to 80	Dec. 1, 1910	4 per cent.	Dec. 1, 1915	16,000.00
81 to 96	Dec. 1, 1910	4 per cent.	Dec. 1, 1916	16,000.00
97 to 112	Dec. 1, 1910	4 per cent.	Dec. 1, 1917	16,000.00
113 to 128	Dec. 1, 1910	4 per cent.	Dec. 1, 1818	16,000.00
129 to 144	Dec. 1, 1910	4 per cent.	Dec. 1, 1919	16,000.00
145 to 160	Dec. 1, 1910	4 per cent.	Dec. 1, 1920	16,000.00
Total				\$160,000.00

WARD FIVE SEWER LOAN OF 1910.

\$70,000.00—20 Years.

\$3,500.00 paid annually.

Outside Debt Limit.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
1 to 4	Sept. 1, 1910	4 per cent.	Sept. 1, 1911	\$3,500.00
5 to 8	Sept. 1, 1910	4 per cent.	Sept. 1, 1912	3,500.00
9 to 12	Sept. 1, 1910	4 per cent.	Sept. 1, 1913	3,500.00
13 to 16	Sept. 1, 1910	4 per cent.	Sept. 1, 1914	3,500.00
17 to 20	Sept. 1, 1910	4 per cent.	Sept. 1, 1915	3,500.00
21 to 24	Sept. 1, 1910	4 per cent.	Sept. 1, 1916	3,500.00
25 to 28	Sept. 1, 1910	4 per cent.	Sept. 1, 1917	3,500.00
29 to 32	Sept. 1, 1910	4 per cent.	Sept. 1, 1918	3,500.00
33 to 36	Sept. 1, 1910	4 per cent.	Sept. 1, 1919	3,500.00
37 to 40	Sept. 1, 1910	4 per cent.	Sept. 1, 1920	3,500.00
41 to 44	Sept. 1, 1910	4 per cent.	Sept. 1, 1921	3,500.00
45 to 48	Sept. 1, 1910	4 per cent.	Sept. 1, 1922	3,500.00
49 to 52	Sept. 1, 1910	4 per cent.	Sept. 1, 1923	3,500.00
53 to 56	Sept. 1, 1910	4 per cent.	Sept. 1, 1924	3,500.00
57 to 60	Sept. 1, 1910	4 per cent.	Sept. 1, 1925	3,500.00
61 to 64	Sept. 1, 1910	4 per cent.	Sept. 1, 1926	3,500.00
65 to 68	Sept. 1, 1910	4 pre cent.	Sept. 1, 1927	3,500.00
69 to 72	Sept. 1, 1910	4 per cent.	Sept. 1, 1928	3,500.00
73 to 76	Sept. 1, 1910	4 per cent.	Sept. 1, 1929	3,500.00
77 to 80	Sept. 1, 1910	4 per cent.	Sept. 1, 1930	3,500.00
Total				\$70,000.00

WARD SIX SCHOOL LOAN ACT OF 1910.

\$90,000.00—20 Years.

\$4,500.00 paid annually.

Outside Debt Limit.

Number of Bonds	When Issued	Rate of Interest	When Due	Amount
1 to 5	Oct. 1, 1910	4 per cent.	Oct. 1, 1911	\$4,500.00
6 to 10	Oct. 1, 1910	4 per cent.	Oct. 1, 1912	4,500.00
11 to 15	Oct. 1, 1910	4 per cent.	Oct. 1, 1913	4,500.00
16 to 20	Oct. 1, 1910	4 per cent.	Oct. 1, 1914	4,500.00
21 to 25	Oct. 1, 1910	4 per cent.	Oct. 1, 1915	4,500.00
26 to 30	Oct. 1, 1910	4 per cent.	Oct. 1, 1916	4,500.00
31 to 35	Oct. 1, 1910	4 per cent.	Oct. 1, 1917	4,500.00
36 to 40	Oct. 1, 1910	4 per cent.	Oct. 1, 1918	4,500.00
41 to 45	Oct. 1, 1910	4 per cent.	Oct. 1, 1919	4,500.00
46 to 50	Oct. 1, 1910	4 per cent.	Oct. 1, 1920	4,500.00
51 to 55	Oct. 1, 1910	4 per cent.	Oct. 1, 1921	4,500.00
56 to 60	Oct. 1, 1910	4 per cent.	Oct. 1, 1922	4,500.00
61 to 65	Oct. 1, 1910	4 per cent.	Oct. 1, 1923	4,500.00
66 to 70	Oct. 1, 1910	4 per cent.	Oct. 1, 1924	4,500.00
71 to 75	Oct. 1, 1910	4 per cent.	Oct. 1, 1925	4,500.00
76 to 80	Oct. 1, 1910	4 per cent.	Oct. 1, 1926	4,500.00
81 to 85	Oct. 1, 1910	4 per cent.	Oct. 1, 1927	4,500.00
86 to 90	Oct. 1, 1910	4 per cent.	Oct. 1, 1928	4,500.00
91 to 95	Oct. 1, 1910	4 per cent.	Oct. 1, 1929	4,500.00
96 to 100	Oct. 1, 1910	4 per cent.	Oct. 1, 1930	4,500.00
Total				\$90,000.00

SCHEDULE OF CITY PROPERTY

CEMETERY DEPARTMENT.

Office building and contents	\$2,965.00	
Brick stable,	4,300.00	
Frame storage building	800.00	
Six horses	900.00	
Harnesses	140.00	
Wagons, carts and sleds	500.00	
Blankets and robes	35.00	
One ton of hay	22.00	
20 Bushels of Oats	8.40	
Tools, Supplies, Fuel, etc.,	999.75	
One Motor Road Roller	2,800.00	
Receiving Tomb	15,000.00	
Burial Lots	4,114.00	
Unimproved Land	20,000.00	
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Amount carried forward		\$52,584.15

Amount brought forward	\$52,584.15
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ENGINEERING DEPARTMENT.

Surveying Instruments	\$310.00	
Tools	190.00	
Furniture	235.00	
Horse, Wagon and Harness	175.00	
	<hr/>	
Total		910.00

CITY HALL DEPARTMENT.

Land and Buildings	\$112,500.00	
Furniture and Fixtures	3,500.00	
	<hr/>	
Total		\$116,000.00

ELECTION DEPARTMENT.

Ballot Boxes	\$ 300.00	
Voting Booths and Fixtures	1,400.00	
Furniture	150.00	
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Amount carried forward		\$171,344.15

Amount carried forward

\$171,344.15

FIRE DEPARTMENT.

Ladder Truck No. 4	\$ 8,200.00
Engine House No. 2	10,100.00
Engine House No. 3	16,000.00
Engine House No. 4	4,000.00
Engine House No. 6	19,000.00
Engine House No. 7	18,000.00
Engine House No. 8	19,200.00
Engine House No. 9	20,000.00
Central Fire Station	65,000.00
Heating Apparatus in Buildings..	5,600.00
Engine No. 2	3,600.00
Engine No. 3	4,500.00
Engine No. 4	3,600.00
Engine No. 5	3,600.00
Chemical Engine No. 3	2,000.00
Chemical Engine No. 5	1,900.00
Combination No. 6	1,850.00
Combination No. 7	1,850.00
Combination No. 8	1,450.00
Combination No. 9	1,450.00
Hose Wagon No. 2	900.00
Hose Wagon No. 3	900.00
Hose Wagon No. 4	900.00
Hose Wagon No. 5	900.00
Ladder Truck No. 1 and Equip- ments	\$ 1,500.00
Aerial Truck No. 2 and Equip- ments	3,600.00
Ladder Truck No. 3 and Equip- ments	1,500.00
Ladder Truck No. 4 and Equip- ments	1,500.00

Amounts carried forward

\$222,600.00

\$171,344.15

Amounts brought forward	\$222,600.00	\$171,344.15
Water Tower and Equipments . . .	7,500.00	
Four Engineers' Wagons	750.00	
Nine Supply Wagons	1,500.00	
Two Engineers' Sleighs	300.00	
Six Hose Pungs	1,200.00	
Eleven Sets of Runners	1,000.00	
Forty-Six Horses	9,400.00	
Fifty Set of Harness	2,500.00	
Seven Set of Siamese Connections .	730.00	
Two Hundred Feet of 3½-inch Hose	390.00	
Seven Eastman Holders and Noz- zles	300.00	
Nineteen Thousand Five Hundred Feet of 2½-inch Hose	12,675.00	
Eleven Hydrant Heads	1,100.00	
Furniture, Beds and Beddings . .	2,000.00	
Twelve Hundred Feet of 1-inch Hose	300.00	
Tools, Supplies, Fuel, Hay and Grain, etc.	1,625.00	
Total		\$265,870.00

FIRE ALARM DEPARTMENT.

Fire Alarm Telegraph Apparatus..	\$41,280.00	
Tools and Supplies	100.00	
Total		\$41,380.00

HEALTH DEPARTMENT.

38 Horses	\$5,864.00	
Amounts carried forward	\$5,864.00	\$478,594.15

Amounts brought forward	\$5,864.00	\$478,594.15
Harnesses and Horse Furnishings.	804.42	
Furniture and Supplies in Office at Stable	77.36	
Wagons, Sleds and Carriages	4,808.65	
Hay-Loft Furniture	57.50	
Hay, Grain and Straw	91.95	
Stock and Tools in Workshop	273.77	
Miscellaneous Supplies and Stock..	557.89	
Furniture, Books, Blank Forms and Supplies in Office on Oak street	741.79	
Furniture, Instruments and Sup- plies in Laboratory	666.74	
Furniture, Beds, Bedding, Supplies and Implements at Isolation hos- pital	642.15	
Total		\$14,586.22

MILITARY DEPARTMENT.

Rifle range, Andover	\$2,300.00	
Buildings	2,700.00	
Total		\$5,000.00

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 PARK DEPARTMENT.

420 Seats in Various Parks	\$1,825.00	
Swings and Seesaws in Various Parks	1,200.00	
1 "Church" Power Sprayer	1,000.00	
2 Merry-Go-Rounds	500.00	
2 Horses	500.00	
Amounts carried forward	\$5,025.00	\$498,180.37

Amounts brought forward	\$5,025.00	\$498,180.37
4 Sets of Harness	130.00	
1 Heavy Express Wagon	100.00	
Sundry tools and implements	99.25	
500 ft. Hose for Sprayer	90.00	
1 Democrat Wagon	75.00	
1 Concord Wagon	65.00	
1 Dump Cart	60.00	
1 Horse Lawn Mower	45.00	
4 Ladders	45.00	
8 14-inch Hand Lawn Mowers ...	40.00	
2 Snow Plows and Sides	40.00	
4 Tackles and Falls Ropes	35.00	
1 Light Sleigh	25.00	
1 Bob Sled	20.00	
4 Horse Blankets	12.00	
24 Chairs—Band Stand	12.00	
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Total		\$5,918.25

AREAS OF PARKS AND PLAYSTEADS.

Name of Park, etc.	Area in Sq. Feet.	Area in Acres.
Pawrence Common ...	740,520	17.00
Jail Park	34,848	.80
Ampitheatre Park	326,700	7.50
Storrow Park	468,270	10.75
Durant Square	1,791	.04
Milton Square	938	.02
Pine Street Square ..	1,440	.03
Spicket Playstead	130,680	3.00
Den Rock Park	3,550,140	81.50

Amount carried forward	<hr/>	\$504,098.62
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Amount brought forward		\$504,098.62
Union Park	490,050	11.25
Stockton Park	16,268	.37
Ward One Playstead...	217,800	5.00
Ward Four Playstead..	119,790	2.75
Ward Six Playstead..	42,800	.98
Tract on Banks of Shawsheen River ..	653,400	15.00

SCHEDULE OF PROPERTY IN PUBLIC PROPERTY
DEPARTMENT.

Carpenter shop, land and buildings	\$ 9,927.00
Three driving horses	700.00
One truck horse	150.00
One heavy sleigh	40.00
Two light wagons	200.00
Three light harnesses	50.00
One light sleigh	85.00
One heavy harness	28.00
Two carpenter's wagons	205.00
Painters' supplies, ladders, etc	62.00
Tools, derricks, ropes and brackets	275.00
Shed and contents (Marion ave.)	1,100.00
Stock and lumber at shed and shop	185.00
One tip cart	65.00
Hardware, sash cord, etc.	15.00
Stable and street blankets, robes	35.00
Storehouse and contents, rear of stable	200.00
Boiler, piping and radiators	300.00
Wind fences for Playstead	150.00
Amount carried forward	\$13,772.00

Amounts brought forward	\$13,772.00	\$504,098.62
One safe	325.00	
One Smith-Premier typewriter ...	90.00	
One typewriter desk	35.00	
One small desk	25.00	
Two roll top desks	30.00	
Four office chairs	9.00	
Five common chairs	5.00	
One letter press	5.00	
One case drawers	10.00	
Two cases pigeon holes	10.00	
One key case	5.00	
One clock	3.00	
Pictures	24.50	
Cuspidors	1.50	
Curtains	7.00	
Railing	20.00	
Toilet room fixtures	15.00	
One surface planer	265.00	
Band saw	495.00	
One bench saw		
One lathe		
One buss planer ...		
One mortiser		
One 12-H. P. electric motor	325.00	
Shafting and pulleys	78.00	
Two boring machines	35.00	
One electric grinding machine ...	12.00	
Total		\$15,602.00

SCHEDULE AND VALUE OF CITY PROPERTY.

A. B. Bruce school, land and build- ings	\$103,011.21	
Amounts carried forward	\$103,011.21	\$519,700.62

Amounts brought forward	\$103,011.21	\$519,700.62
Amesbury Street school, land and buildings	24,174.00	
Arlington street school, land and buildings	25,796.00	
City Hall, land and buildings	111,277.00	
City stables, land and buildings ...	28,446.00	
Cross street school, land and build- ings	7,000.00	
Emily G. Wetherbee school, land and buildings	95,067.11	
Engine house No. 2, land and buildings	11,000.00	
Engine house No. 3, land and build- ings	15,000.00	
Engine house No. 4, land and buildings	6,000.00	
Cental fire station, buildings	58,737.00	
Engine house No. 6, land and build- ings	20,545.11	
Engine house No. 7, land and buildings	18,355.00	
Engine house No. 8, land and buildings	19,173.87	
Engine house No. 9, land and buildings	20,000.00	
Essex street school, land and build- ings	26,179.00	
Franklin street school, land and buildings	13,078.00	
Hampshire street school, land and buildings	7,797.00	
Harrington school, land and build- ings	12,734.00	
Old High school, land and build- ings	11,500.00	
Amounts carried forward	<u>\$634,870.30</u>	<u>\$519,700.62</u>

Amounts brought forward	\$634,870.30	\$519,700.62
Hook and ladder house No. 1, land and buildings	8,300.00	
Lowell street school, land and buildings	8,500.00	
Manual Training school, land and buildings	10,922.00	
Newbury street school, land and buildings	10,400.00	
New high school, land and building	244,367.01	
Old Amesbury street school, land and buildings	500.00	
Old Battery building, land and buildings	7,400.00	
Old Health stables, land and buildings	5,000.00	
Old High Annex (laboratory) . .	2,736.57	
Oliver school, land and buildings..	53,404.76	
Packard school, land and buildings.	25,700.00	
Packard Annex, land and buildings	7,556.00	
Park Annex, land and buildings ..	6,490.43	
Park street school, land and buildings	13,300.00	
Police station, land and buildings.	45,535.00	
Poor farm, land and buildings . . .	120,074.00	
Prospect street school, land and buildings	6,911.00	
Riverside school, land and buildings.	7,000.00	
Rollins school, land and buildings..	65,170.00	
Saunders school, land and buildings	13,981.00	
Saunders annex, land and buildings	6,519.00	
Storrow school, land and buildings	18,000.00	
Tarbox school, land and buildings.	57,306.66	
Training school, land and buildings	22,005.87	

Amounts carried forward	\$1,401,949.60	\$519,700.62
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Amounts brought forward	\$1,401,949.60	\$519,700.62
Union street school, land and build- ings	11,336.00	
Walton school, land and buildings.	12,268.00	
Warren street school, land and buildings	8,200.00	
Washington street school, land and buildings	18,300.00	
Gilbert E. Hood school, land and buildings	148,000.00	
School house site, ward 6	10,000.00	
Engine house site, ward 5	13,000.00	
Two portable school houses	4,200.00	
Total	\$1,627,253.60	
Less amounts scheduled in depart- ments	453,996.98	
Total		\$1,173,256.62

CITY LOTS.

Lot No. 2, corner Pleasant and Woodland streets	\$ 1,525.00	
Lot No. 2, southeast corner of Au- burn and Hampshire	75.00	
Lot No. 3, north of Auburn street.	75.00	
Lot west of Saratoga street	625.00	
Lot No. 4, southwest corner of Pine street and Marion avenue	7,000.00	
Lot No. 5, Walnut street	325.00	
Lot on Lawrence and Arlington streets	400.00	
Lot No. 6, rear of Maple street ...	75.00	
Lot No. 2, north of Essex street, west of Greenwood street	8,225.00	
Amounts carried forward	\$18,325.00	\$1,692,957.24

Amounts brought forward	\$18,325.00	\$1,692,957.24
Lot on Greenwood street	1,250.00	
Lot on Greenwood street	1,250.00	
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Total		\$20,825.00

RECAPITULATION.

(Street Department Inventory Report.)

Office	\$ 71.50	
Horses, Carts, Harnesses	7,305.00	
Harness room	87.50	
Waiting room	10.00	
Store room over waiting room	380.00	
Hay loft	200.50	
Cellar	861.50	
Derrick shed	486.50	
Yard and contents	15,670.02	
Carriage shed	491.75	
Loft over blacksmith's shop	250.00	
Tool house	1,144.25	
Blacksmith shop	213.50	
Carpenter shop	141.00	
Paint shop	70.00	
Powder house	10.00	
Marion avenue	4,075.00	
Oak street office, safe, 3 desks, chairs and typewriter	500.00	
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Total		\$31,968.02

ESTIMATED VALUATION OF WATER WORKS.

Pumping station and double pump- ing engines and boilers	\$314,816.00	
Reservoir, gate house, etc.,	330,292.62	
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Amounts carried forward	\$645,108.62	\$1,745,750.26

Amounts brought forward	\$645,108.62	\$1,745,750.26
Pipes, gates and hydrants	573,530.32	
Filter	81,103.00	
Filter (new)	54,331.48	
Personal property	14,550.96	
	<u>\$1,368,624.38</u>	

High Service.

Pipes, gates, land, tower, pumping engines, etc.,	111,999.31	
Total		\$1,480,623.69

PUBLIC LIBRARY.

Books	\$71,715.11	
Fixtures	19,267.61	
Total		\$90,982.72

PAUPER DEPARTMENT.

Farm 37 acres	\$11,100.00	
Brick building	16,000.00	
New brick building	70,975.00	
Boiler house	5,000.00	
Nurses' and Superintendent's build- ing	8,000.00	
Hospital and annex	20,000.00	
Office furniture	50.00	
Waiting room	25.00	
Kitchen, store room and shed in front house	250.00	
Attendants' dining room	100.00	
Superintendent's store room	500.00	
Amounts carried forward	<u>\$132,000.00</u>	<u>\$3,317,356.67</u>

Amounts brought forward	\$132,000.00	\$3,317,356.67
Barn and out buildings	4,000.00	
New Laundry and Machinery	\$,000.00	

OLD BRICK BUILDING.

Women's ward, (1st floor)	\$ 100.00
Women's ward, (2d floor)	200.00
Old sewing room	100.00
Sewing room, new building	400.00
Women's dining room	100.00
Women's day room	50.00
Men's dormitory	800.00
Women's dormitory	800.00
Men's dormitory, (1st floor)	300.00
Men's day and dining room	150.00
Sitting room and sleeping room ...	150.00
Kitchen and pantry	500.00

HOSPITAL.

Hospital dispensary	150.00
Hospital kitchen	100.00
Linen room	100.00
Rooms, (1st floor)	200.00
Operating room and X-Ray	2,000.00
Rooms (2d floor)	200.00
Men's ward with store room	300.00
Bath tubs	100.00
Female wards with store room ...	400.00
Kitchen and Office	200.00
Bake room and store room	600.00
Nurses' rooms	150.00
Fire hose and fixtures	200.00
Miscellaneous	400.00
Live stock	1,600.00
Hay, grain and produce	500.00

Amount carried forward \$154,850.00

Amounts brought forward	\$154,850.00	\$3,317,356.67
Farming implements, ambulance etc.,	700.00	
	<hr/>	
Total		\$155,550.00

POLICE DEPARTMENT.

Land and buildings	\$46,000.00
One boiler and apparatus	1,000.00
One fire alarm indicator	245.00
One roll top desk	100.00
One safe	100.00
Belts, clubs, badges	200.00
Pictures	50.00
Furniture in station house	200.00
Curtains in station house	25.00
Linoleum carpet in officers' room..	225.00
	<hr/>
	\$48,145.00

POLICE COURT FURNITURE.

Mattings and carpets	35.00
Four black walnut tables	35.00
Ten settees	35.00
Eight curtains in court room	26.00
Chairs, curtains and desk	17.00
	<hr/>
	\$148.00

POLICE SIGNAL SYSTEM.

One police telegraph apparatus and patrol boxes	7,300.00	
One extra police register	150.00	
	<hr/>	
Amounts carried forward	\$7,450.00	\$3,472,906.67

Amounts brought forward	\$7,450.00	\$3,472,906.67
One patrol wagon, runners and stretchers	350.00	
One swinging harness	70.00	
	<hr/>	
	\$7,870.00	

MISCELLANEOUS.

Two horses and two wagons	450.00	
One ambulance	350.00	
Two harnesses, sleigh and robe ...	125.00	
One ice chest	30.00	
Bedding, gas fixtures, grappling irons, poles, ropes, etc.,	100.00	
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	\$1,055.00	
Total		\$57,218.00
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Grand Total		\$3,530,124.67
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PAY DAYS.

Teachers are paid Tuesday of each week.

Salaries and pay-rolls of Firemen payable quarterly will be settled on the first business day following the meeting of the committee on accounts.

Pay-rolls for all day laborers will be made up to Saturday night of each week and they will receive their pay the Tuesday following.

Please call on the Regular Pay Day for money.

TAXES.

Poll taxes are due on demand, and must be paid on or before October 1, to save the cost of summons.

Property taxes are due on demand, and are payable at the Collector's office, and are chargeable with interest at 6 per cent and the cost of summons, when payment is delayed after October 1 of each year.

All bills for the use of water are payable at the office of the City Treasurer.

Office open from 9 a. m. to 3 p. m., Tuesday evening from 7 to 8 o'clock.

WILLIAM A. KELLEHER,
Treasurer and Collector.

CLAIMS AGAINST THE CITY.

Persons who have claims against the city should be careful and note who ordered the article or articles. If for labor, where it was performed, with proper dates. Charges to the different departments should be made out on separate bills in duplicate.

BILLS FOR PAYMENT MUST BE PRESENTED

against the city on the first business day of each month, except at the close of the year, when all bills must be presented before December 22d.

Monthly bills payable due them from the city are earnestly requested to present them for payment each month.

Monthly bills payable on the twelfth of each month.

All persons having bills due them from the city are earnestly requested to present them for payment each month.

It is very desirable that all bills should be made out on blanks provided by the city. They can be obtained at the auditor's office.

Office hours from 9 a.m. to 3 p. m., and on Tuesday evening from 7 to 8 o'clock.

RICHARD J. SHEA,
City Auditor.

LAWRENCE CITY GOVERNMENT, 1910.

Mayor

HON. WILLIAM P. WHITE

263 Haverhill Street.

*Hon. Thomas M. Jordan, Acting Mayor.

51 Trenton Street.

**Hon. John T. Cahill, Mayor,

344 Haverhill Street.

Aldermen

THOMAS M. JORDAN, Persident.

Ward 1—William H. Callahan, 54 Marston street.

Ward 2—Thomas M. Jordan, 51 Trenton street.

Ward 3—John Joseph Ford, 51 Myrtle street.

Ward 4—Michael A. Scanlon, 62 Holley street.

Ward 5—John Tobin, 36 Winter street.

Ward 6—William Moss, Jr., 83 Farnham street.

Regular Meetings, Second and Fourth Mondays in each month
at 7:30 P. M. to wit:

January	10 and 24	July	11 and 25
February	14 and 28	August	8 and 22
March	14 and 28	September	12 and 26
April	11 and 25	October	10 and 24
May	9 and 23	November	14 and 28
June	13 and 27	December	12 and 26

Regular Meetings First and Third Mondays in each month at 8 o'clock P. M. to wit:

January	3 and 17	July	4 and 18
February	7 and 21	August	1 and 15
March	7 and 21	September	5 and 19
April	4 and 18	October	3 and 17
May	2 and 16	November	7 and 21
June	6 and 20	December	5 and 19

*July 14th, 1910.

**Elected by City Council, Aug. 29, 1910.

Standing Committees.

BOARD OF ALDERMEN.

Police—Mayor, Aldermen Ford and Moss.
 Enrolled Bills—Mayor, Aldermen Jordan, Callahan and Scanlon.
 Elections—Aldermen Jordan, Moss and Ford.
 Licenses—Aldermen Moss, Ford and Jordan.
 Bonds—Mayor, Alderman Moss.
 Sidewalks—Mayor, Aldermen Moss and Tobin.
 Poles and Wires—Mayor, Aldermen Moss and Ford.
 Sewers—Mayor, Aldermen Moss and Callahan.
 State Aid—Mayor, Aldermen Jordan and Scanlon.

COMMON COUNCIL.

Elections—Councilmen Welch, Begley and Adams.
 Enrolled Bills—Councilmen Nichols, Maxwell and Taylor.
 Bills in Second Reading—Councilmen Keaveny Dooley and Rushforth.
 Rules—Councilmen McCarthy, Shea and Doerr.

Councilmen.

EUGENE A. MCCARTHY, Jr., President.

Ward One

Joseph F. Adams, 81 Woodland Street

Jacob Doerr, 73 Woodland Street

Albin Ulrich, 190 East Haverhill Street

Ward Two

Bernard J. Keaveny, 72 Avon Street

Henry J. Nichols, 47 Avon Street

David Noonan, 8 Graichen Terrace

Ward Three

Thaddeus J. Bagley, 326 Walnut Street

Frank D. Foley, 117 Maple Street

John F. Morrissey, 448 Essex Street

Ward Four

Michael J. Dooley, 88 Willow Street

Joseph H. Maxwell, 77 Spruce Street

Eugene A. McCarthy, Jr., 101 Spruce Street

Ward Five

Charles P. Rushforth, 30 Crescent Street

Joseph Spencer, 80 Greenwood Street

L. Morton Taylor, 377 Lowell Street

Ward Six

John J. Nugent, Jr., 31 Springfield Street

Edgar W. Shea, 204 Farnham Street

Thomas A. Welch, 85 South Broadway

Richard J. Shea, Clerk.

Joint Standing Committees.

Finance—Mayor, Aldermen Moss and Tobin; Councilmen McCarthy, Shea, Nichols, Foley and Rushforth.

Accounts—Aldermen Callahan and Ford; Councilmen McCarthy, Morrissey and Ulrich.

Public Property—Mayor, Aldermen Scanlon and Tobin; Councilmen Keaveny, Noonan, Nugent, Maxwell and Ulrich.

Streets—Mayor, Aldermen Tobin and Ford; Councilmen McCarthy, Foley, Morrissey, Welch and Spencer.

Claims—Mayor, Aldermen Jordan and Scanlon; Councilmen Nugent, Maxwell and Ulrich.

Ordinances—Mayor, Councilmen McCarthy and Spencer.

Military and Armories—Mayor, Aldermen Scanlon and Jordan; Councilmen Morrissey, Begley, Foley, Noonan and Taylor.

Printing—Alderman Jordan; Councilmen Begley and Doerr.

Fire Department—Mayor, Aldermen Callahan and Scanlon; Councilmen Keaveny, Noonan, Dooley, Nugent and Taylor.

Water Works—Mayor, Aldermen Tobin and Callahan; Councilmen McCarthy, Nichols, Shea, Welch and Adams.

Engineering—Mayor, Aldermen Jordan and Tobin; Councilmen Dooley and Spencer.

Gale's Hill—Mayor, Aldermen Jordan and Callahan.

December 31, 1910.

GENTLEMEN:—

We submit herewith a statement of the condition of the
Municipal Loan Sinking Fund on December 31, 1910.

DR.

Received for Sinking Fund	\$91,228.84
Received for interest to date	41,972.59

Total	<u>\$133,201.43</u>
-------------	---------------------

CR.

Bonds	No.	
Municipal Loan of 1894	10 @ \$1000	\$10,000.00
Water Loan of 1893	8 @ 1000	8,000.00
School Loan of 1903	34 @ 1000	34,000.00
Water St. Sewer Loan	5 @ 1000	5,000.00
Sewer Loan of 1898	8 @ 1000	8,000.00
Ordinary City Debt Loan of 1906	17 @ 1000	17,000.00
Notes	No.	
Public Library Loan of 1902	2 @ \$1400	\$2,800.00
Falls Bridge Loan of 1906	6 @ 1100	6,600.00
Central Fire Station Loan of 1907,	2 @ 3500	7,000.00
Union St. Bridge Loan of 1907,	8 @ 1000	8,000.00
Bloody Brook Loan of 1909,	9 @ 1000	9,000.00
Cash in Lawrence Trust Co., Dec.		
31, 1910		17,771.99
Cash in Pacific National Bank		
Bank, Dec. 31, 1910.....		29.44
Total		<u>\$133,201.43</u>

Respectfully submitted,

JAMES F. LEONARD,

JOHN TOBIN,

JOHN J. HURLEY,

Commissioners.

WILLIAM A. KELLEHER,

Treasurer.

IN BOARD OF ALDERMEN,
March 27, 1911,

Read and accepted.

EDWARD J. WADE, *City Clerk*.
IN COMMON COUNCIL,
April 3, 1911.

Accepted in concurrence.

RICHARD J. SHEA, *Clerk*.

A true copy,

Attest:—

EDWARD J. WADE, *City Clerk*.

GENTLEMEN:—

We submit herewith a statement of the conditions of the Water Loan Sinking Fund on Dec. 31, 1910.

WATER LOAN SINKING FUND.

DR.

Received from appropriations and net earnings of the Water Works to date,	\$1,207,783.12
Received for interest to date	165,539.43
	<hr/>
Total	\$1,373,322.55
	<hr/> <hr/>

CR.

Cancelled Water Bonds,	\$1,300,000.00
Central Fire Station Loan of 1907	
Notes,	21,000.00
Water Loan Bonds	20,000.00
Cash in Pacific Nat'l Band, Dec.	
31, 1910	41.60
Cash in Lawrence Trust Co., Dec.	
31, 1910	32,280.95
	<hr/>
Total	\$1,373,322.55
	<hr/> <hr/>

Respectfully submitted,

JAMES F. LEONARD,

JOHN TOBIN,

JOHN J. HURLEY,

Commissioners.

WILLIAM A. KELLEHER,

Treasurer.

Read and accepted.

IN BOARD OF ALDERMEN,
March 27, 1911,

EDWARD J. WADE, *City Clerk*.
IN COMMON COUNCIL,
April 3, 1911.

Accepted in concurrence.

RICHARD J. SHEA, *Clerk*.

A true copy,
Attest:—

EDWARD J. WADE, *City Clerk*.

INDEX

Auditor's Statement	3
Auditor's Account with Departments	71
Assessors'	71
Bridge	75
Central Bridge Loan of 1906	76
Cemetery	76
City Clerk	82
City Engineering	85
City Hall	88
City Treasurer's	91
Election	94
Fire	99
Fire Alarm	108
Health	110
Incidental	120
Lawrence I. I. School	142
Lighting	150
Military	151
Moth Extermination	157
Park	153
Park—John K. Tarbox playground	159
Park—Playstead, South Lawrence	160
Park—Ward One	159
Crescent Park	162
Ward Four Playstead	161
Pauper	163
Paving	187
Paving Loan of 1906	188
Paving Loan of 1910	188
Paving Merrimac St.	169
Police	194
Public Library	203
Public Property	210

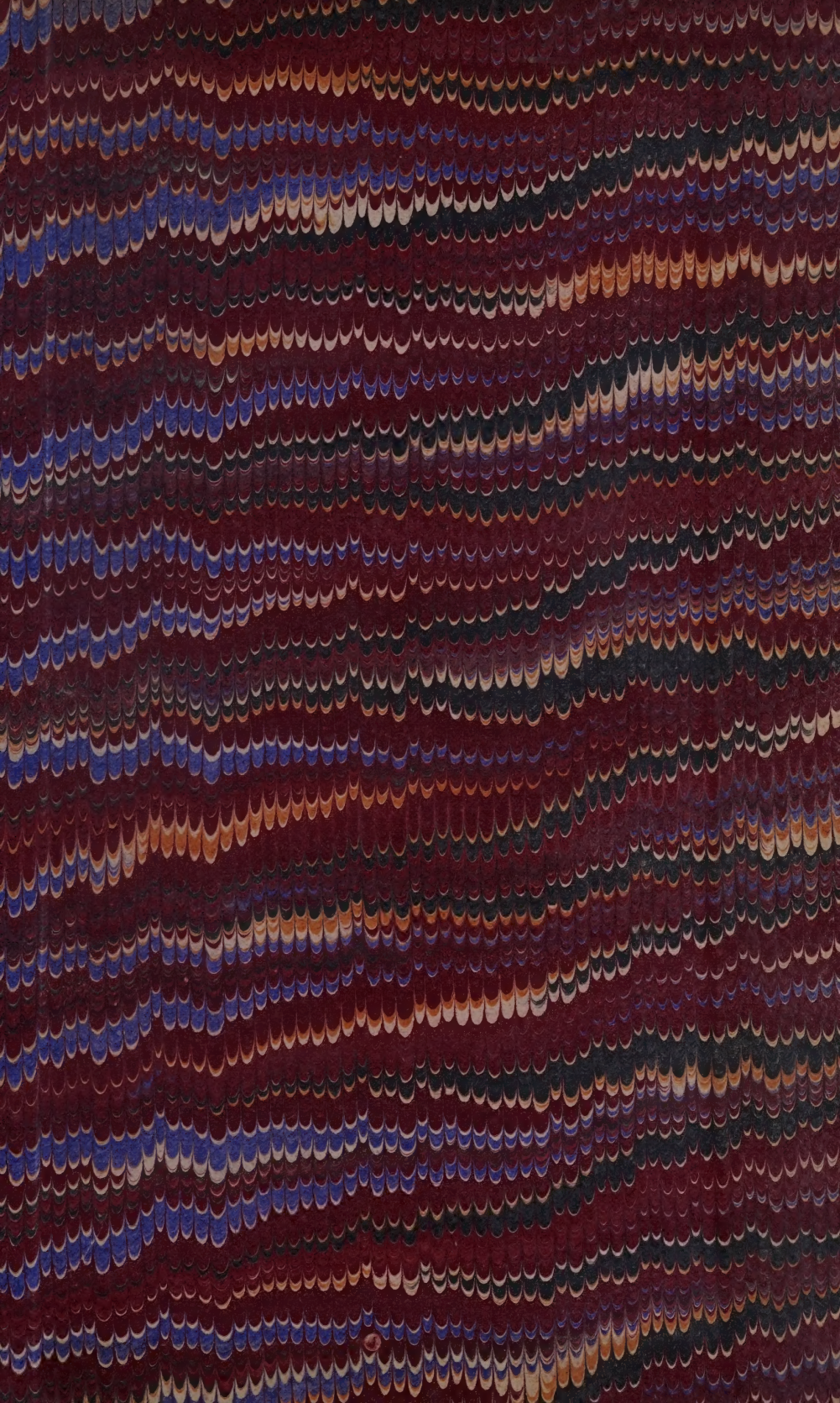
School	217
Sewer	230
Sewer—Ward One	233
Sidewalk	235
Sewer—Ward Five Sewer Loan Act of 1910	265
Ward Six School Loan Act of 1910	274
Bloody Brook Culvert Loan of 1909	270
Sewer Osgood Street Sewer Loan of 1907	271
Ordinary Debt Loan of 1909	273
Public Improvement Loan of 1908	273
Sewer—Ward One Sewer Loan of 1908	272
Street	239
Street Extension—Washington Street	251
State Aid	251
Water Works	252
Ward Five Engine House Loan of 1908	268
Water Loan of 1906	260
Anti Tuberculosis League	261
Hospital for Tuberculosis	261
Interest Department	280
Bonded City Debt	281
Municipal Loan of 1894	282
Water Debt Loan	283
Water Street Sewer Loan	284
Ward Six Sewer Loan	285
Sewer Loan of 1897	286
Sewer Loan of 1898	287
Sewer Loan of 1900	288
Sewer Loan of 1902	289
Ordinary Debt Loan of 1902	290
Ordinary Debt Loan of 1903	291
Ordinary Debt Loan of 1904	292
Ordinary Debt Loan of 1905	293
Ordinary Debt Loan of 1906	304
The New High School Loan of 1898	296
The New High School Loan of 1899	297
Public Library Loan of 1902	298
Ward Five School Loan of 1900	294
Ward Five School Loan of 1901	295
Street Improvement Loan of 1904	299
School Loan of 1903	300
Water Tower Loan of 1905	301
Paving Loan of 1906	302

Ward Six Engine House Loan of 1906	303
Fire Protection Loan of 1906	305
Falls Bridge Loan of 1906	306
Central Bridge Loan of 1906	310
Union Bridge Loan of 1907	307
Central Fire Station Loan of 1907	308
Osgood Street Sewer Loan of 1907	309
Ward One Sewer Loan of 1908	311
Public Improvement Loan of 1908	312
Fairmount Sewer Loan of 1908	313
Ward Five Engine House Loan of 1908	314
Ordinary Debt Loan of 1908	315
Ordinary Debt Loan of 1909	316
Tuberculosis Hospital Loan of 1908	317
Paving Loan of 1909	318
Paving Loan of 1910	321
Ordinary Debt Loan of 1910	322
Ward Five Sewer Loan of 1910	323
Ward Six School Loan Act of 1910	324
Bloody Brook Culvert Loan of 1909	319
Municipal Loan of 1909	320
Borrowing Capacity	30
Cemetery Deposit Fund	275
City Government of 1910	343
City Government—Committees	344
City Property—Schedule of	325
City Treasurer's Accounts	35
Claims Against the City	342
Department Balances	13
Municipal Debt of 1894	27
Water Street Sewer Loan	27
Ward Six Sewer Loan	27
Sewer Loan of 1897	27
Sewer Loan of 1898	28
Ordinary Debt Loan of 1902	27
Ordinary Debt Loan of 1903	27
Ordinary Debt Loan of 1904	27
Ordinary Debt Loan of 1905	27
Water Debt Loan	29
Sewer Loan of 1900	27
Sewer Loan of 1902	27
The New High School Loan of 1898	28
The New High School Loan of 1899	27

Ward Five School Loan of 1900	27
Ward Five School Loan of 1901	27
Public Library Loan of 1902	27
School Loan of 1903	27
Street Loan of 1904	27
Water Tower Loan of 1905	27
Falls Bridge Loan of 1906	27
Paving Loan of 1906	27
Ordinary Debt Loan of 1906	27
Fire Protection Loan of 1906	28
Ward Six Engine House Loan of 1906	28
Union Street Bridge Loan of 1907	27
Central Fire Station Loan of 1907	27
Central Bridge Loan of 1907	28
Osgood Street Sewer Loan of 1907	28
Ward One Sewer Loan of 1908	28
Lawrence Public Improvement Loan of 1908	28
Fairmount Sewer Loan of 1908	28
Ward Five Engine House Loan of 1908	28
Ordinary Debt Loan of 1908	27
Hospital for Tuberculosis Loan of 1908	28
Ordinary Debt Loan of 1909	28
Bloody Brook Culvert Loan of 1909	28
Paving Loan of 1909	28
Municipal Loan of 1909	28
Paving Loan of 1910	28
Ordinary Debt Loan of 1910	28
Ward Five Sewer Loan Act of 1910	28
Ward Six School Loan Act of 1910	28
Ordinary Assets	29
Pay Days	341
Recapitulation of City Debt	32
Report of Trustees of Municipal Loan Sinking Fund.....	347
Report of Trustees of Water Loan Sinking Fund	349
Statement of Assets	29
Statement of Cash—Ordinary Accounts	16
Statement of Cash—Water Works	19
Statement of Cash—Water Works Loan of 1906	20
Statement of Cash—Central Bridge Loan of 1906	20
Statement of Cash—Paving Loan of 1906	20
Statement of Cash—Osgood Street Sewer Loan of 1907 ..	21
Statement of Cash—Ward One Sewer Loan of 1908	21
Statement of Cash—Lawrence Public Improvement Loan..	22

Statement of Cash—Ward Five Engine House Loan of 1908	22
Statement of Cash—Ordinary Debt Loan of 1909	24
Statement of Cash—Tuberculosis Hospital Loan of 1908..	23
Statement of Cash—Paving Loan of 1910	25
Statement of Cash—Bloody Brook Culvert Loan of 1909..	24
Statement of Cash—Ward Five Sewer Loan Act of 1910..	25
Statement of Cash—Ward Six School Loan Act of 1910..	26
Summary of City Debt—1886-1911	31
Tabular Statement	14
Tax—State and County	276
Tax—National Bank	276
Taxes—Statement of	11
Taxes—When Due	341
Temporary Loan Department	278
Temporary Loan, Ordinary Debt Loan of 1910	279





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